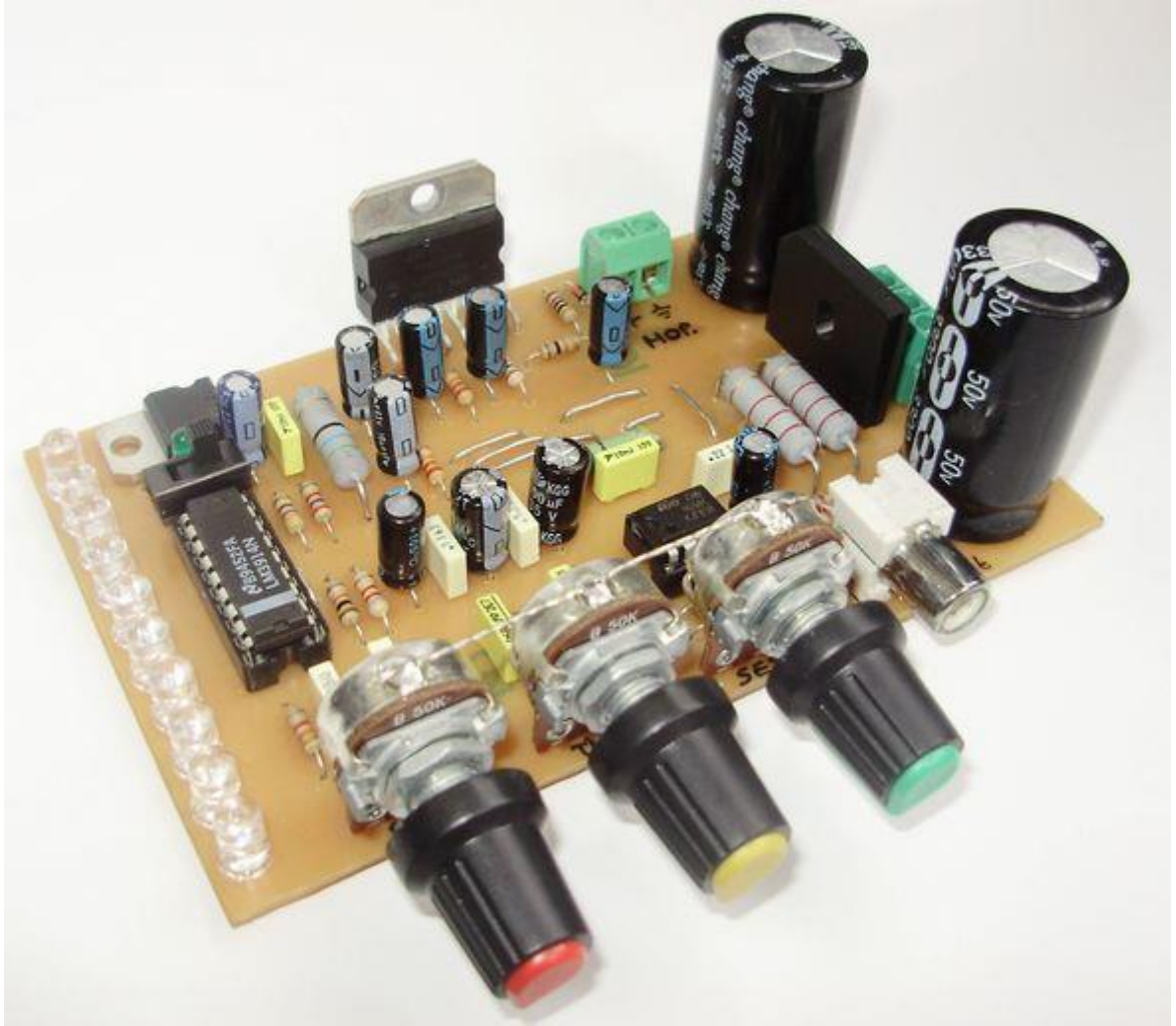


AMPLİFİKATÖRLER VE DİĞER SES DEVRELERİ

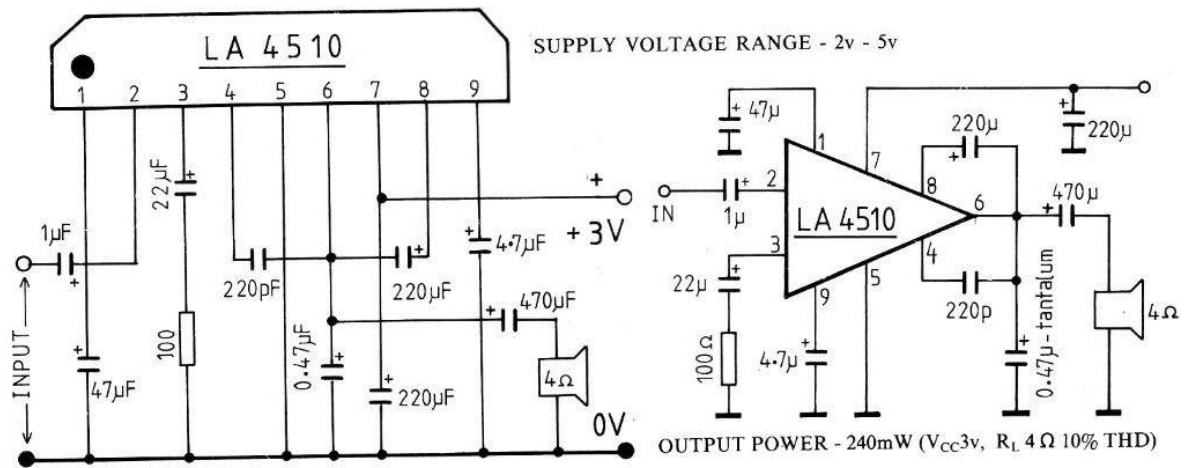


FAHRETTİN PETRİÇLİ

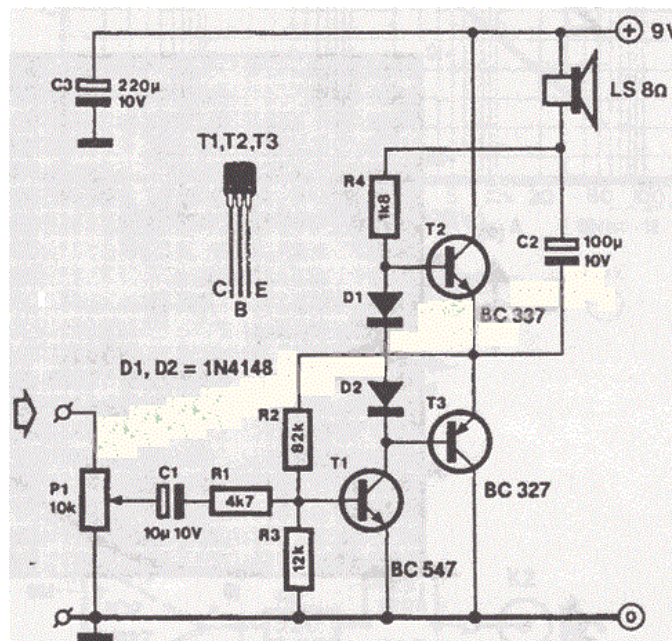
AMPLİFİKATÖRLER



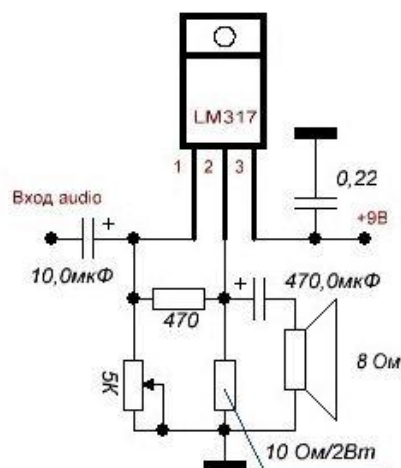
240 mWatt Amplifikatör



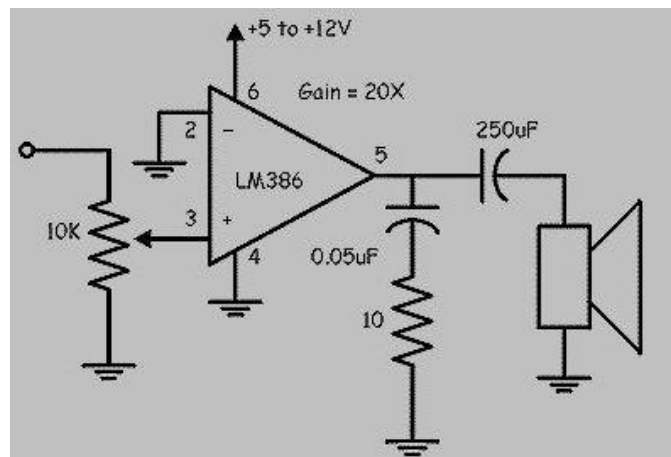
250 mWatt Amplifikatör



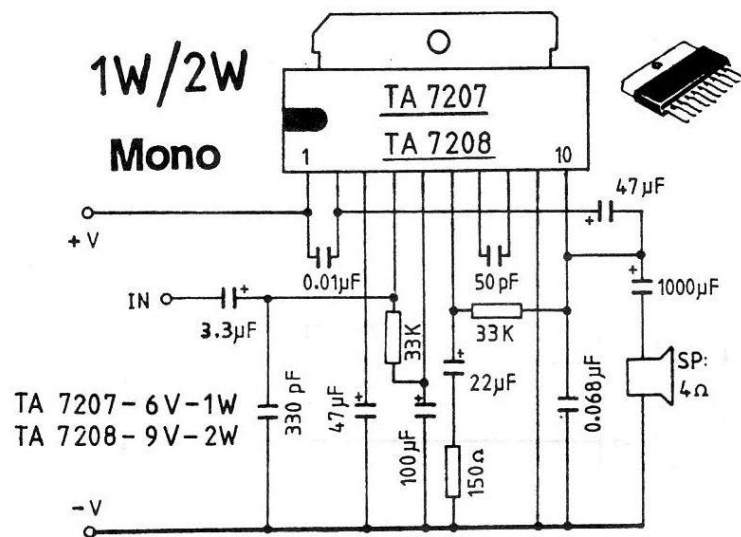
1 Watt Amplifikatör



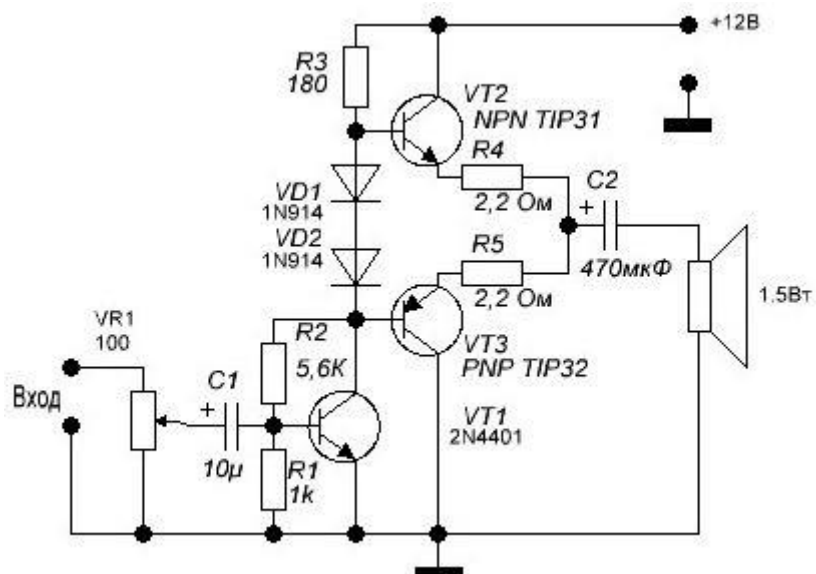
1 Watt Amplifikatör



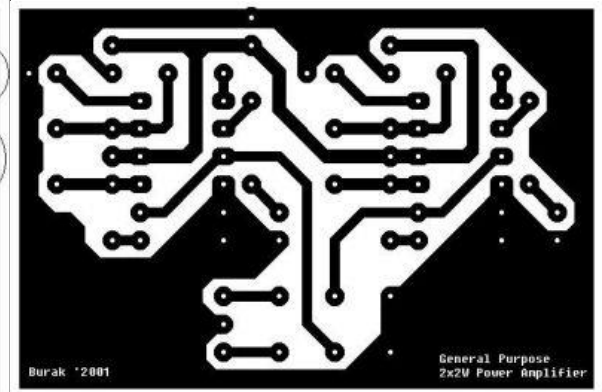
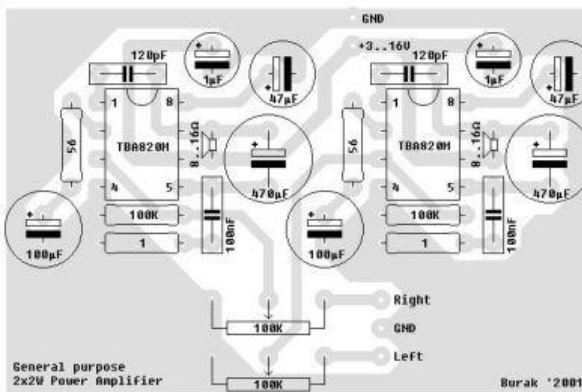
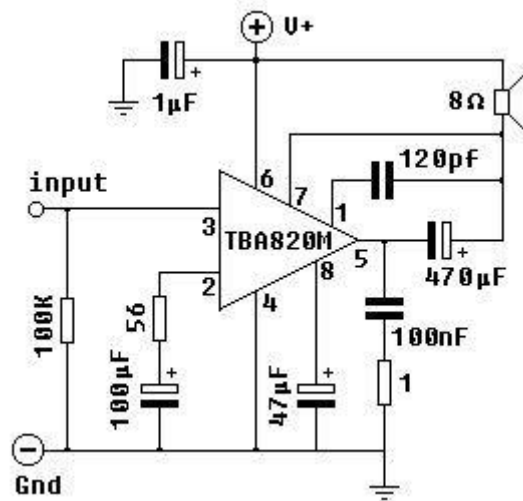
1 Watt – 2 Watt Amplifikatör



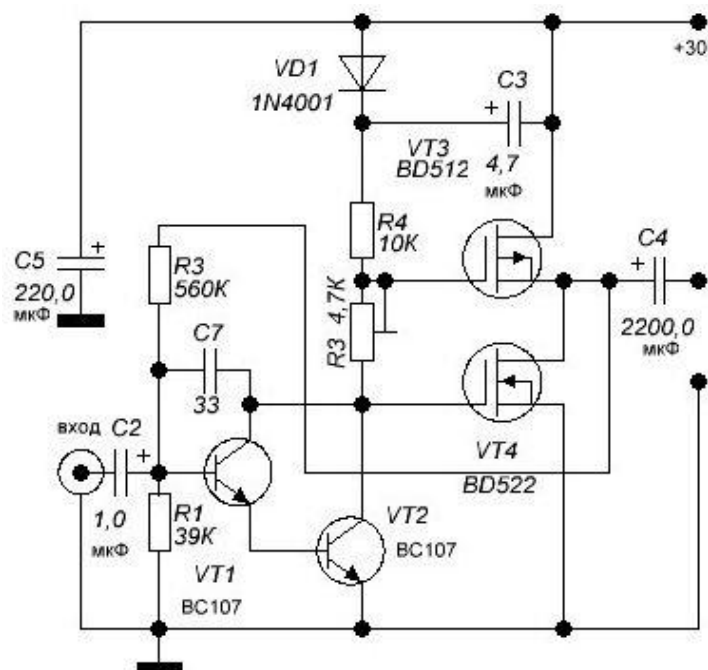
2 Watt Amplifikatör



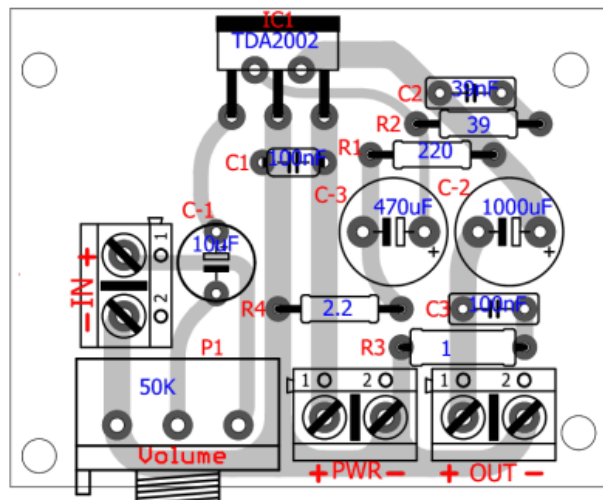
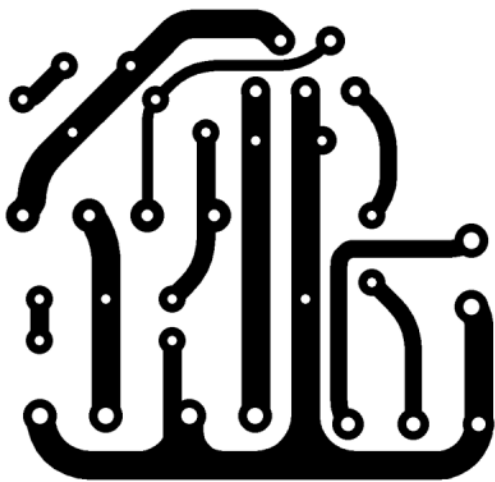
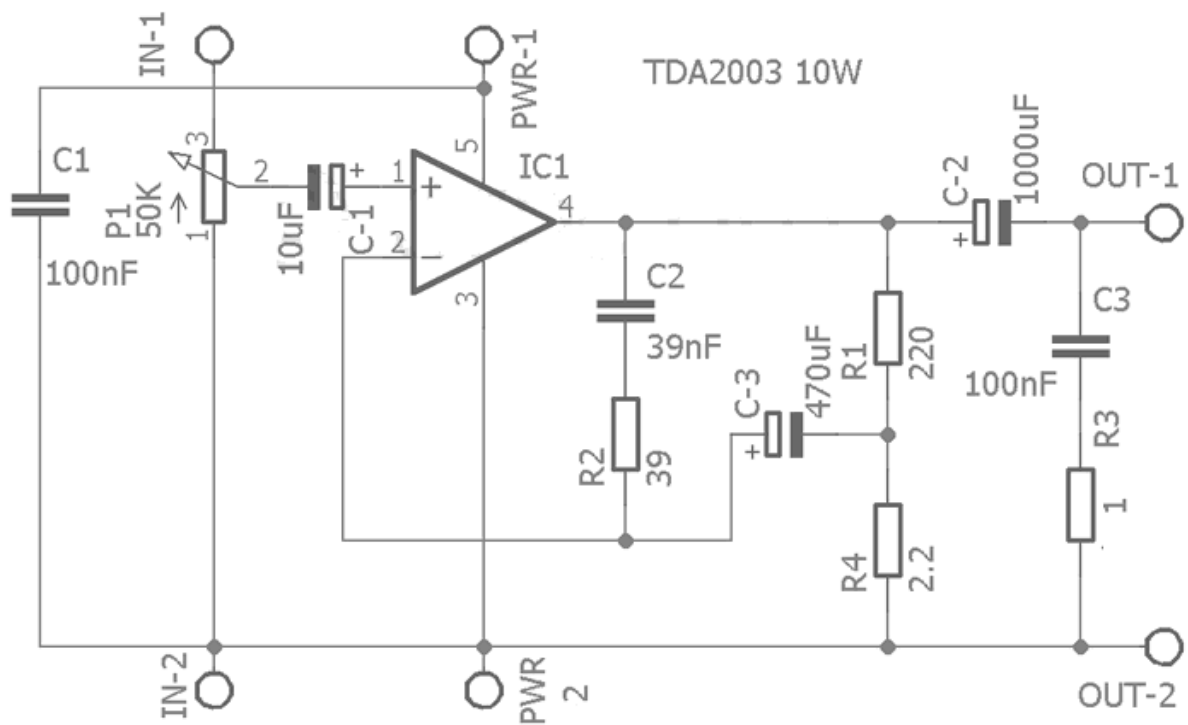
2 Watt Amplifikatör



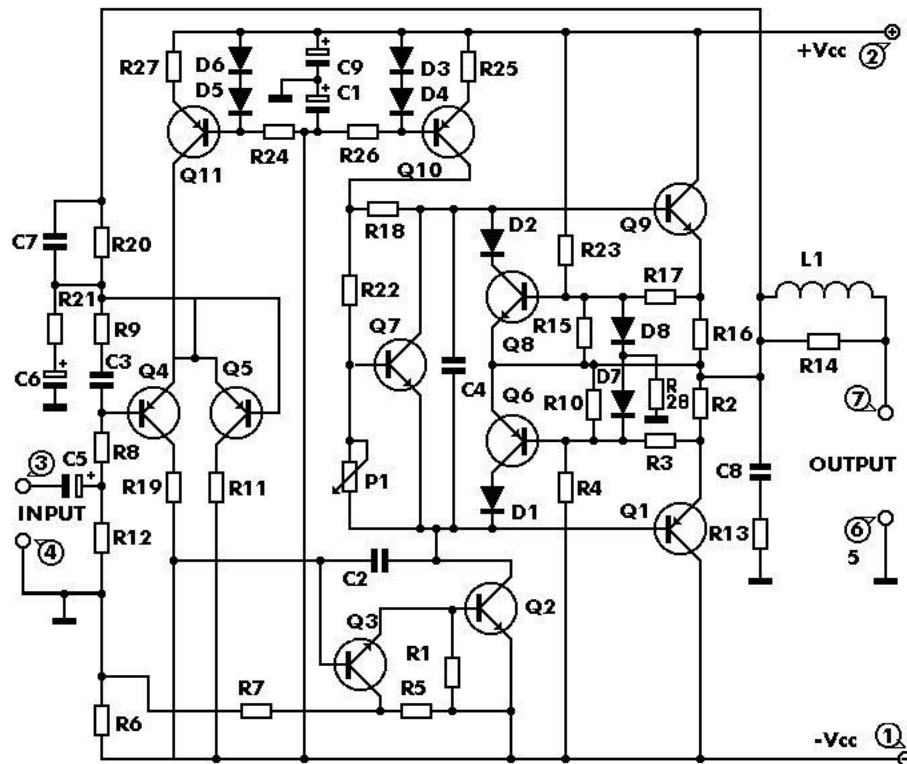
10 Watt Amplifikatör



10 Watt Amplifikatör

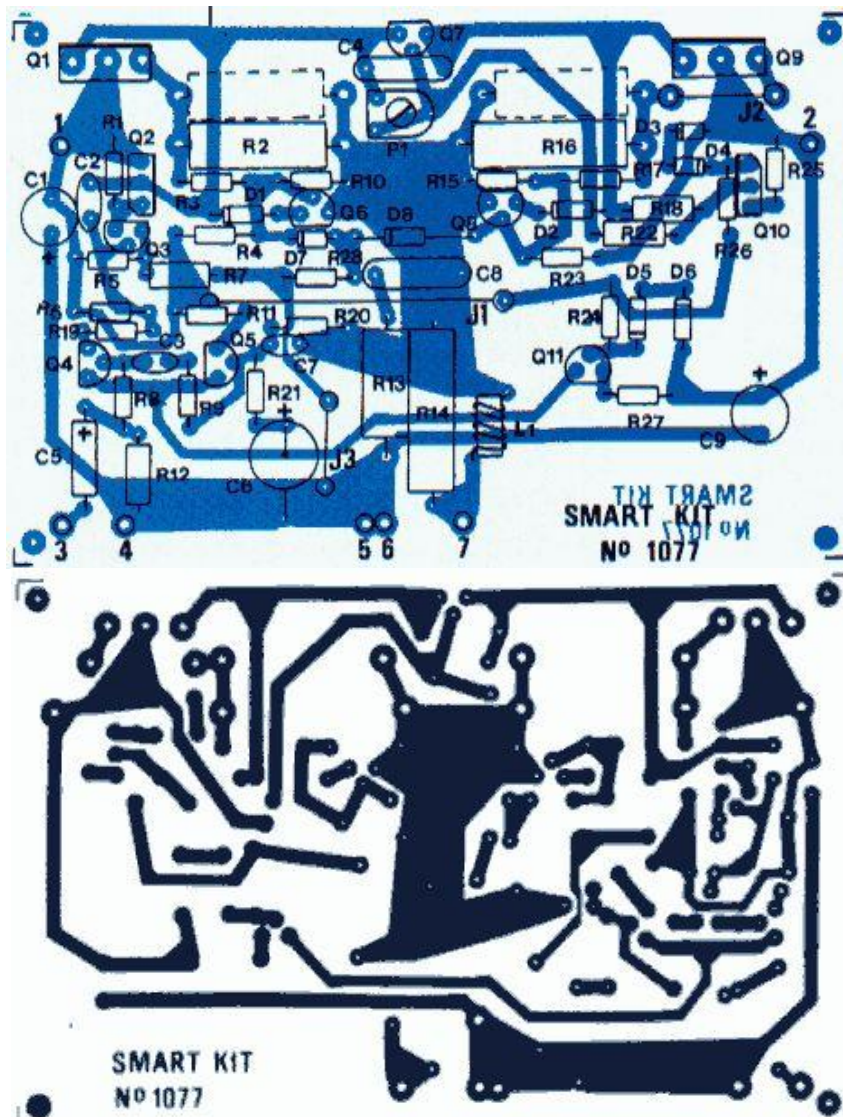


10 Watt Amplifikatör

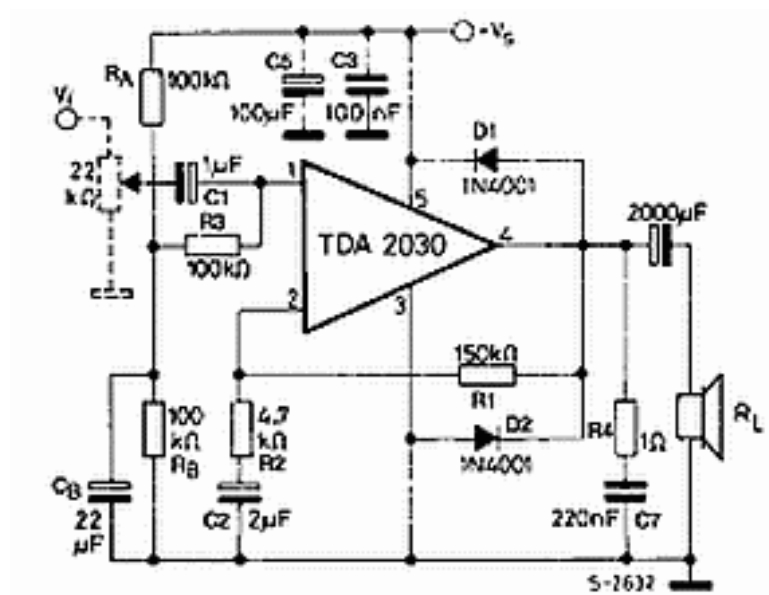


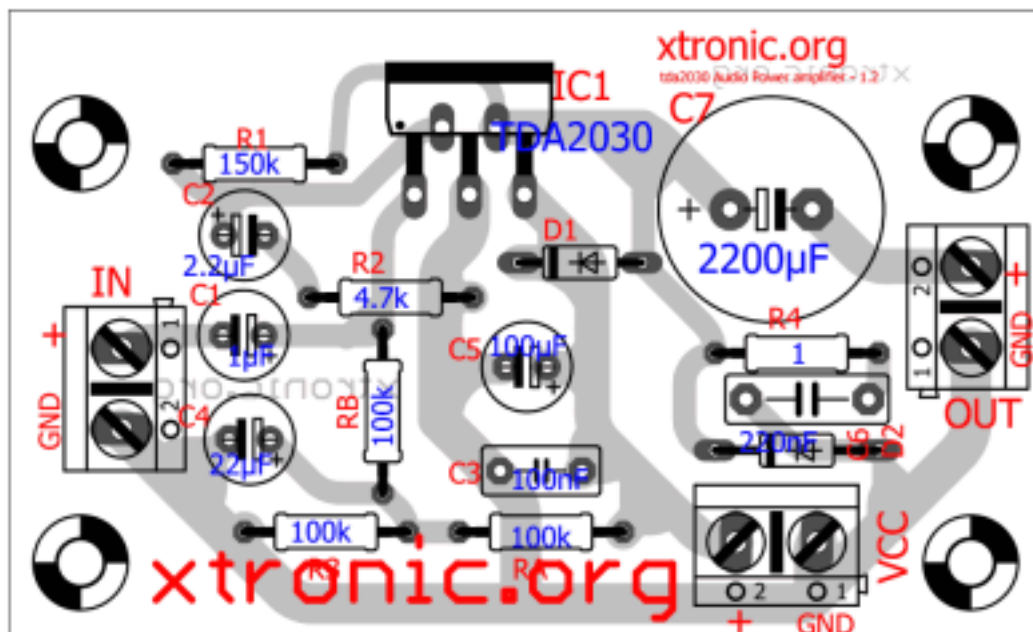
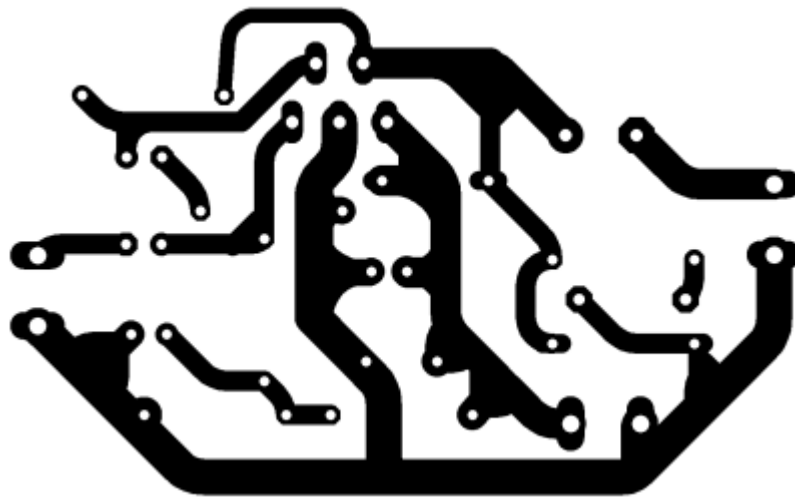
R1	=	1,2 KΩ (καφέ, κόκκινο, κόκκινο)
R2	=	0,47 Ω / 5 W (καφέ, μαύρο, χρυσό)
R3	=	220 Ω (κόκκινο, κόκκινο, καφέ) (για 4Ω)
R4	=	3,9 KΩ (πορτοκαλί, άσπρο, κόκκινο) (για 4Ω)
R5	=	2,2 KΩ (κόκκινο, κόκκινο, κόκκινο)
R6	=	2,2 KΩ (κόκκινο, κόκκινο, κόκκινο)
R7	=	10 KΩ (καφέ, μαύρο, πορτοκαλί)
R8	=	4,7 KΩ (κίτρινο, μωβ, κόκκινο)
R9	=	150 Ω (καφέ, πράσινο, καφέ)
R10	=	39 Ω (πορτοκαλί, άσπρο, μαύρο)
R11	=	3,3 KΩ (πορτοκαλί, πορτοκαλί, κόκκινο)
R12	=	10KΩ (καφέ, μαύρο, πορτοκαλί)
R13	=	4,7 Ω (κίτρινο, μωβ, χρυσό)
R14	=	1Ω / 2 W (καφέ, μαύρο, χρυσό)
R15	=	39 Ω (πορτοκαλί, άσπρο, μαύρο)
R16	=	1Ω / 2 W (καφέ, μαύρο, χρυσό)
R17	=	220 Ω / (κόκκινο, κόκκινο, καφέ) (για 4Ω)
R18	=	22 Ω - 1/2W (κόκκινο, κόκκινο, μαύρο)
R19	=	1,2 KΩ (καφέ, κόκκινο, κόκκινο)
R20	=	10KΩ (καφέ, μαύρο, πορτοκαλί)
R21	=	220 Ω (κόκκινο, κόκκινο, καφέ)
R22	=	680 Ω (μπλε, γκρι, καφέ)
R23	=	3,9 KΩ / (πορτοκαλί, άσπρο, κόκκινο) (για 4Ω)
R24	=	18 KΩ (καφέ, γκρι, πορτοκαλί)
R25	=	100 Ω - 1/2W (καφέ, μαύρο, καφέ)
R26	=	18KΩ (καφέ, γκρι, πορτοκαλί)
R27	=	680Ω (μπλε, γκρι, καφέ)
R28	=	1,2 KΩ (καφέ, κόκκινο, κόκκινο) (για 8Ω)
P1	=	1KΩ τρίμμερ

D1	=	1N4002-7
D2	=	1N4002-7
D3	=	1N4148
D4	=	1N4148
D5	=	1N4148
D6	=	1N4148
D7	=	1N4148 (για 8Ω)
D8	=	1N4148 (για 8Ω)
Q1	=	BDW84D
Q2	=	BD829
Q3	=	BC546
Q4	=	BC556
Q5	=	BC556
Q6	=	BC556
Q7	=	BC548
Q8	=	BC546
Q9	=	BDW83D
Q10	=	BD830
Q11	=	BC556
C1	=	10.μF/63V
C2	=	33pf
C3	=	270pF
C4	=	100nF
C5	=	2,2μF/63
C6	=	100.μF/35V
C7	=	120pF
C8	=	100nF
C9	=	10.μF/63V

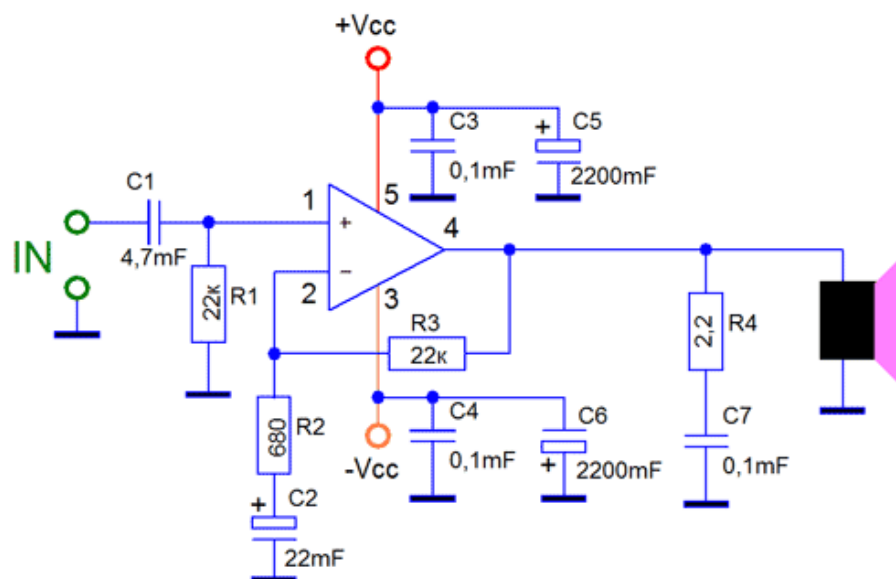


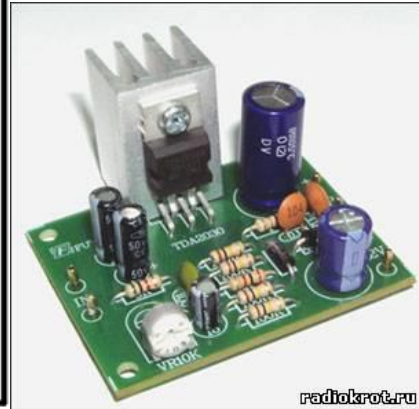
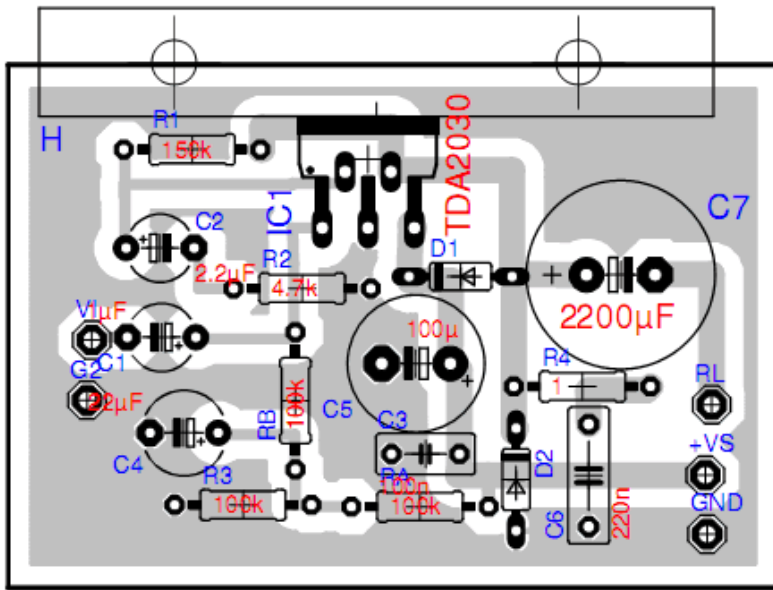
14 Watt Amplifikatör



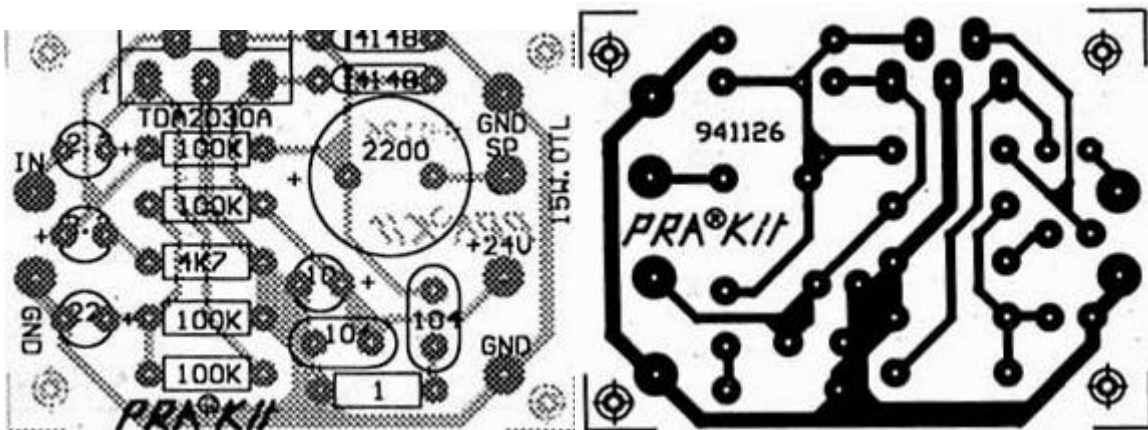
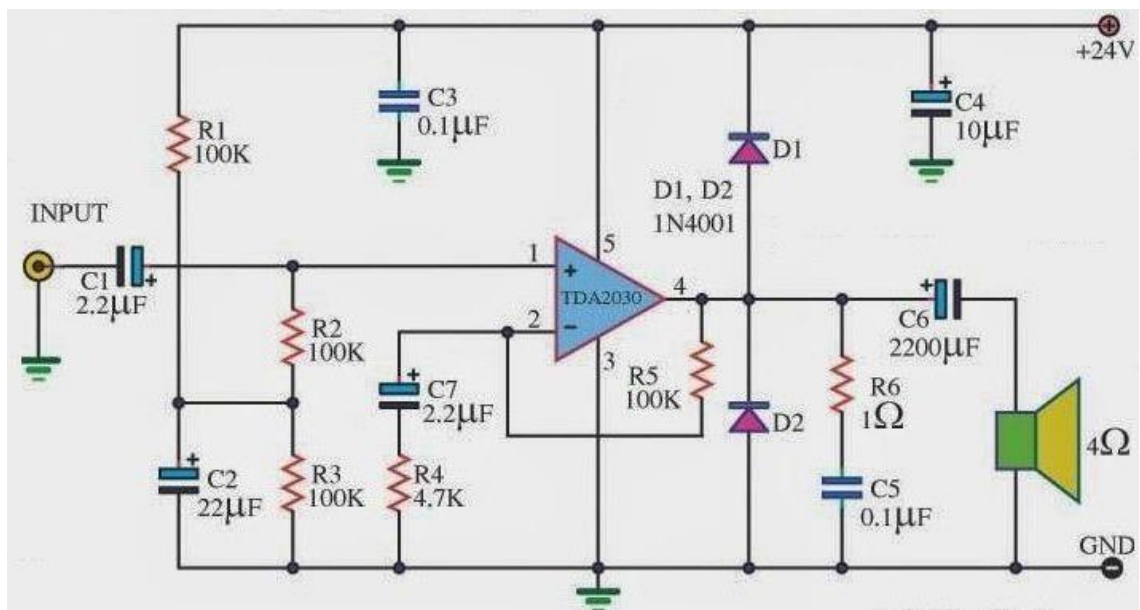


14 Watt Amplifikatör

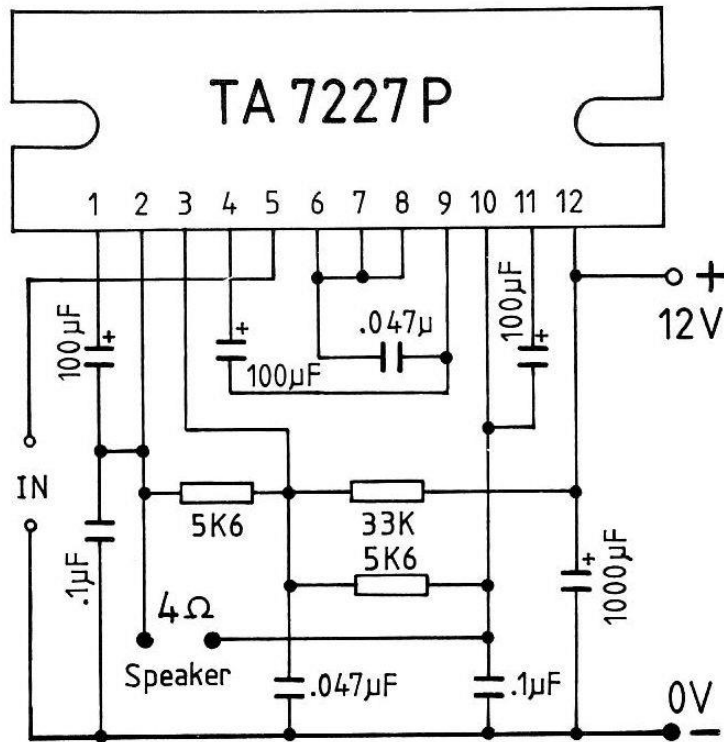




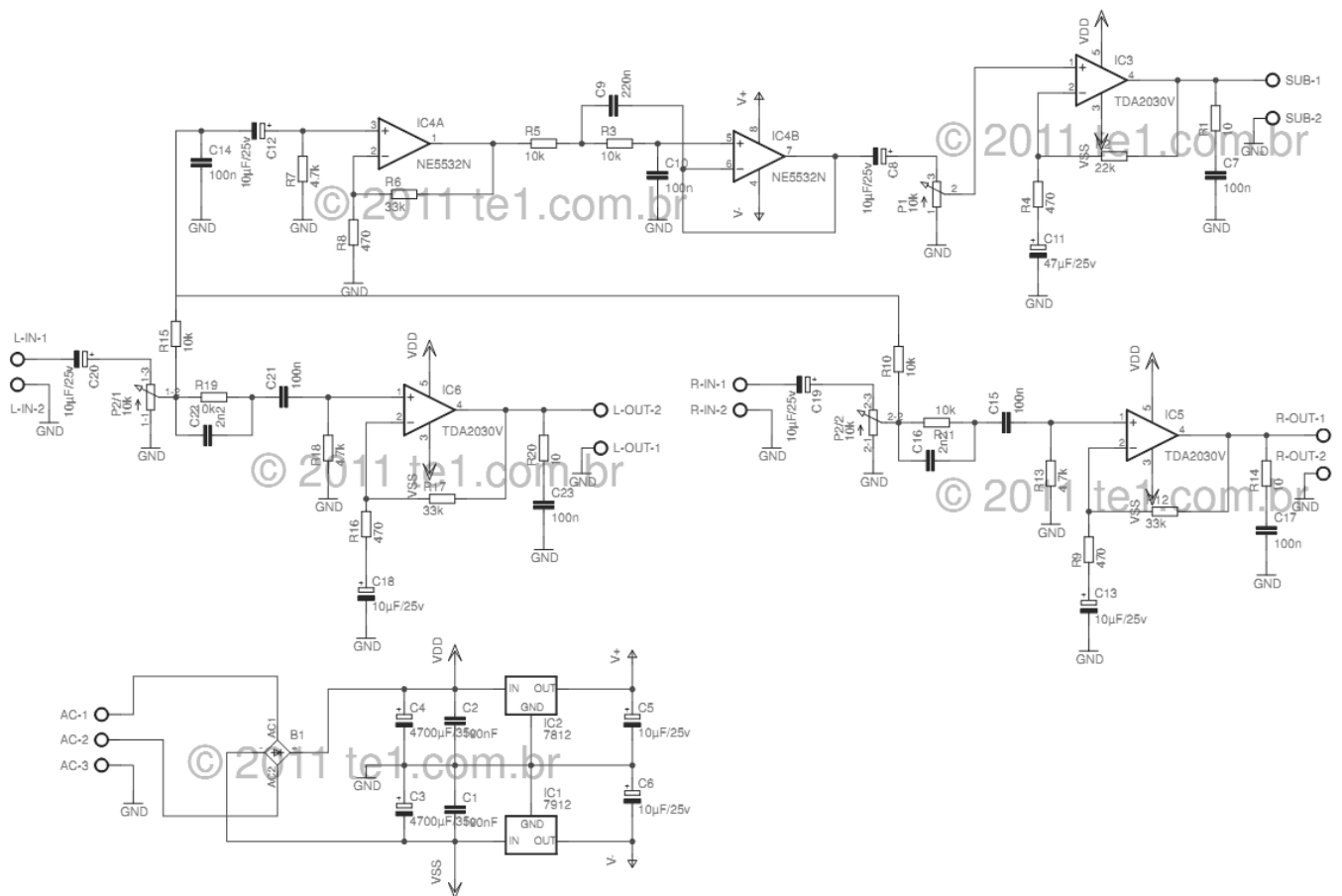
14 Watt Amplifikatör

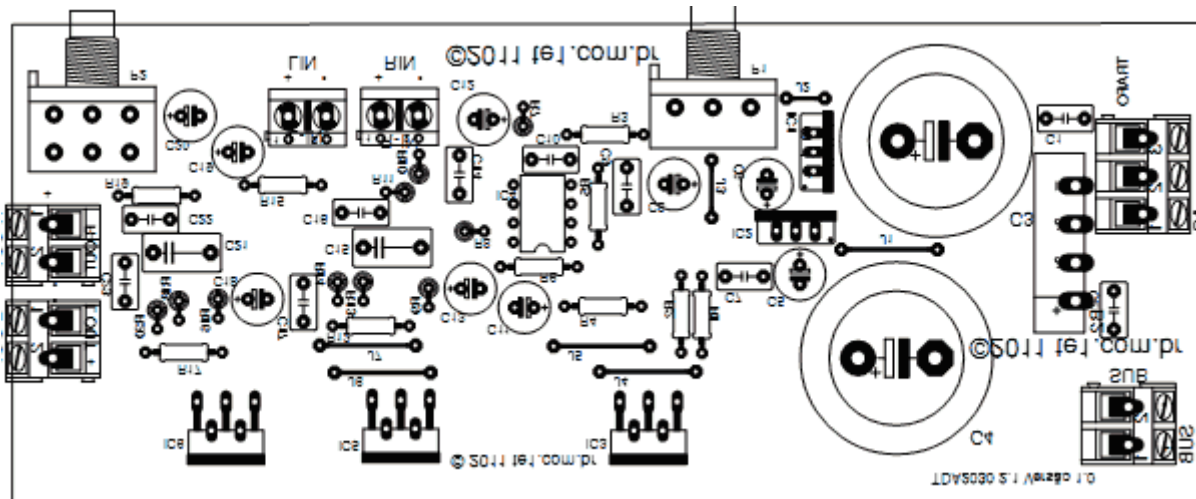
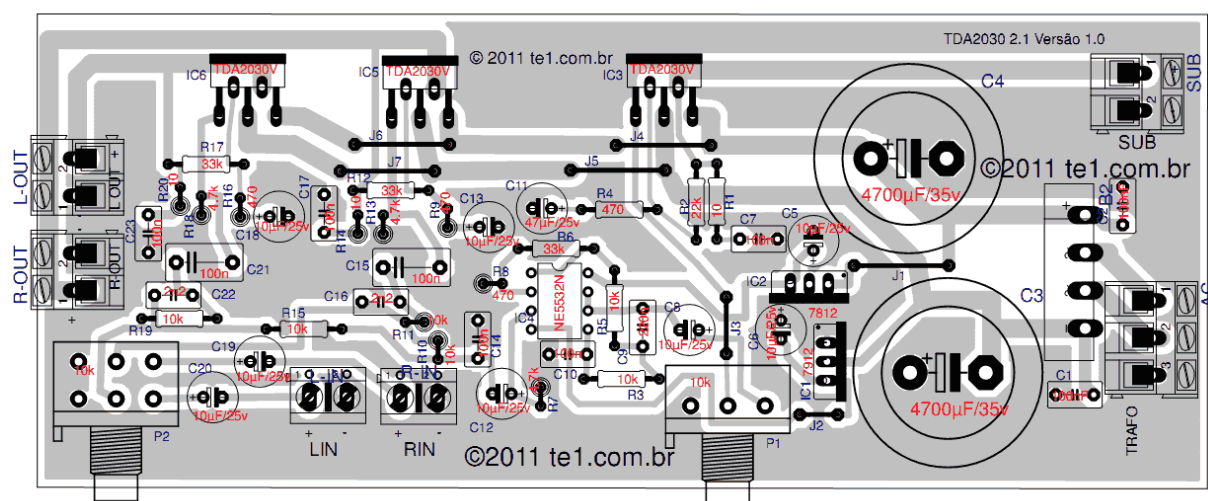
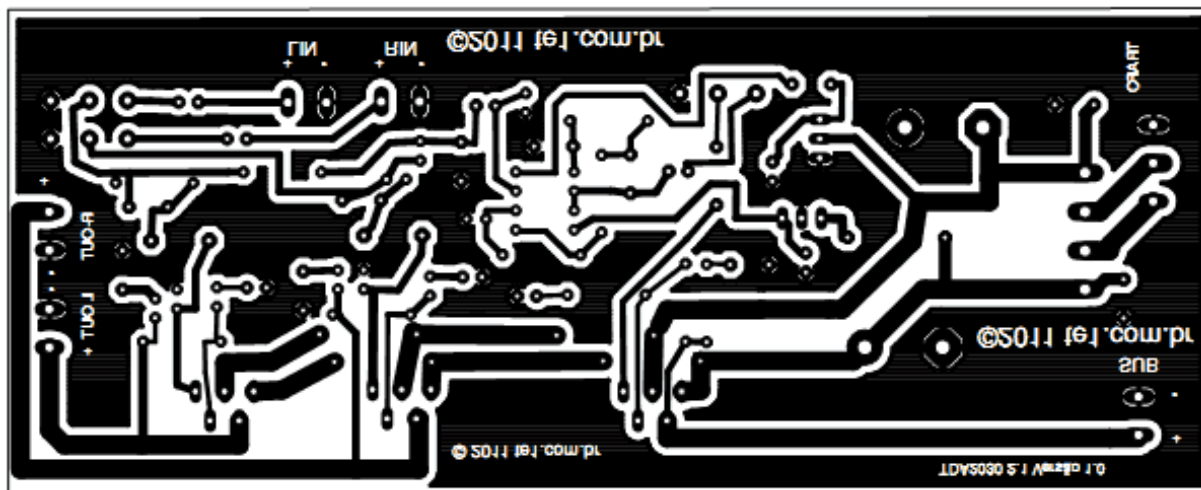


14 Watt Amplifikatör

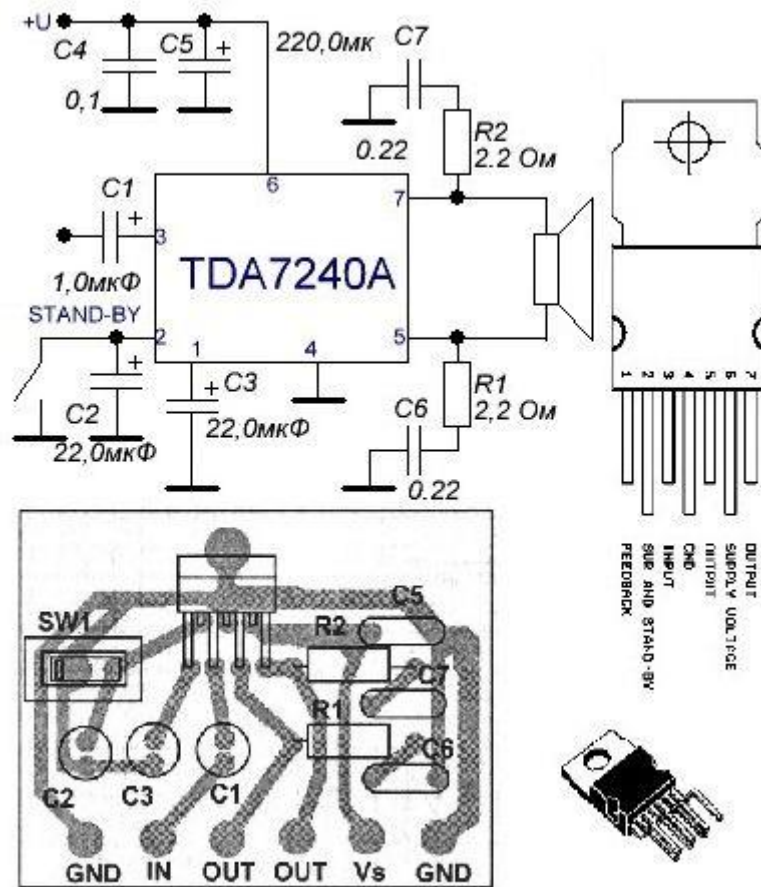


18 Watt Amplifikatör (Subwoofer)

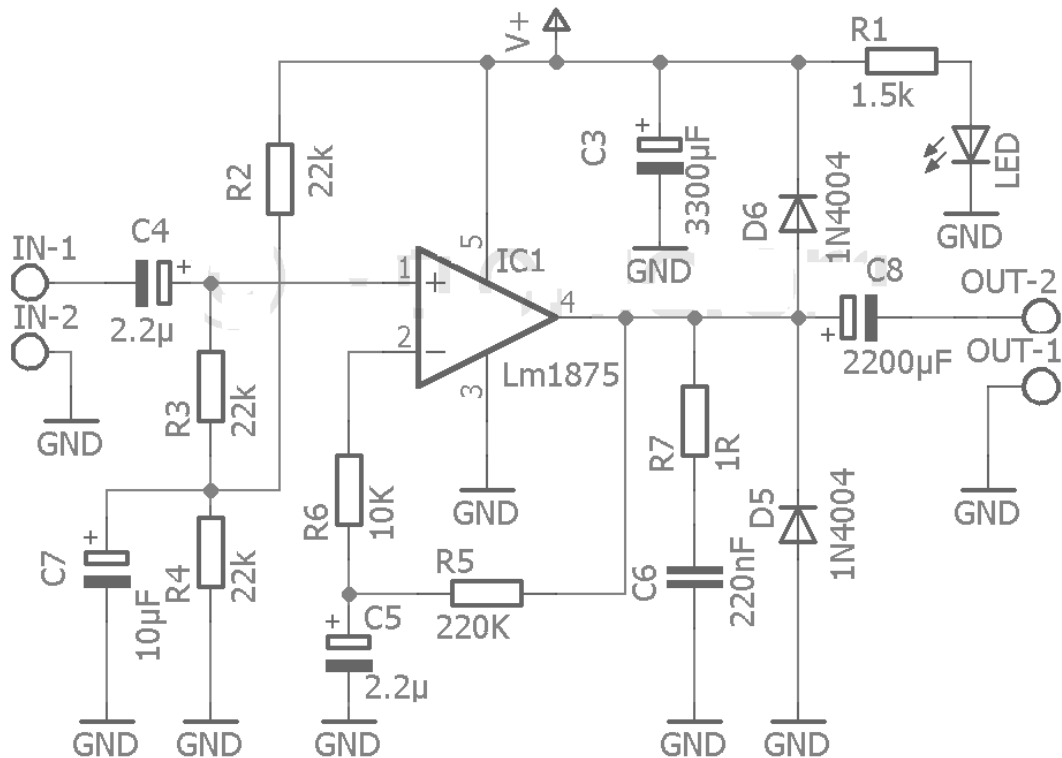


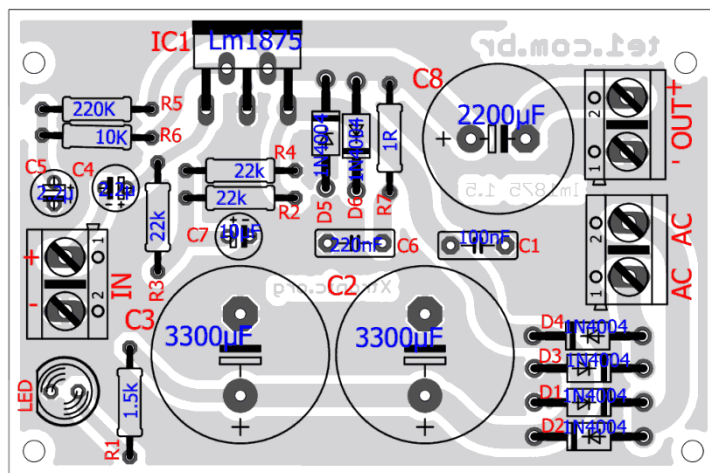


20 Watt Amplifikatör

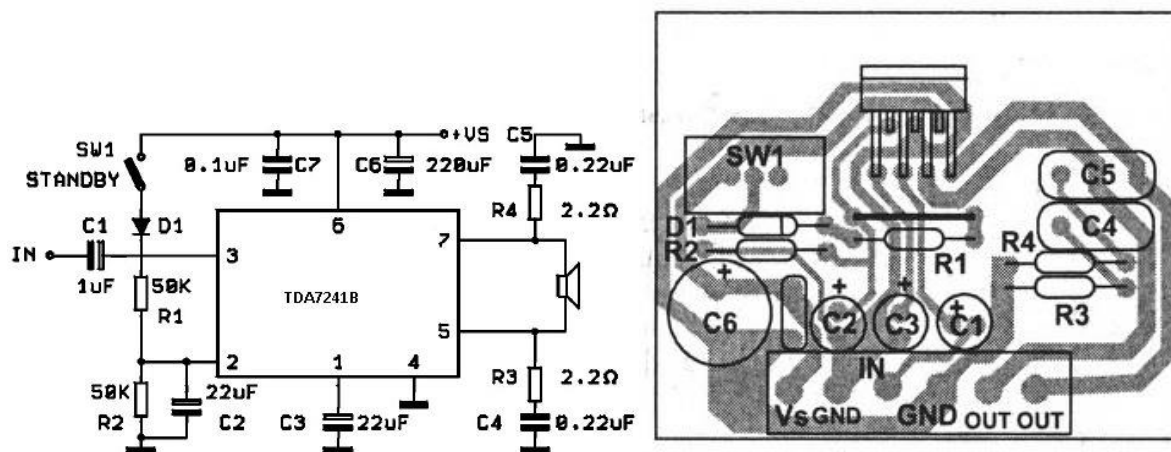


20 Watt Amplifikatör

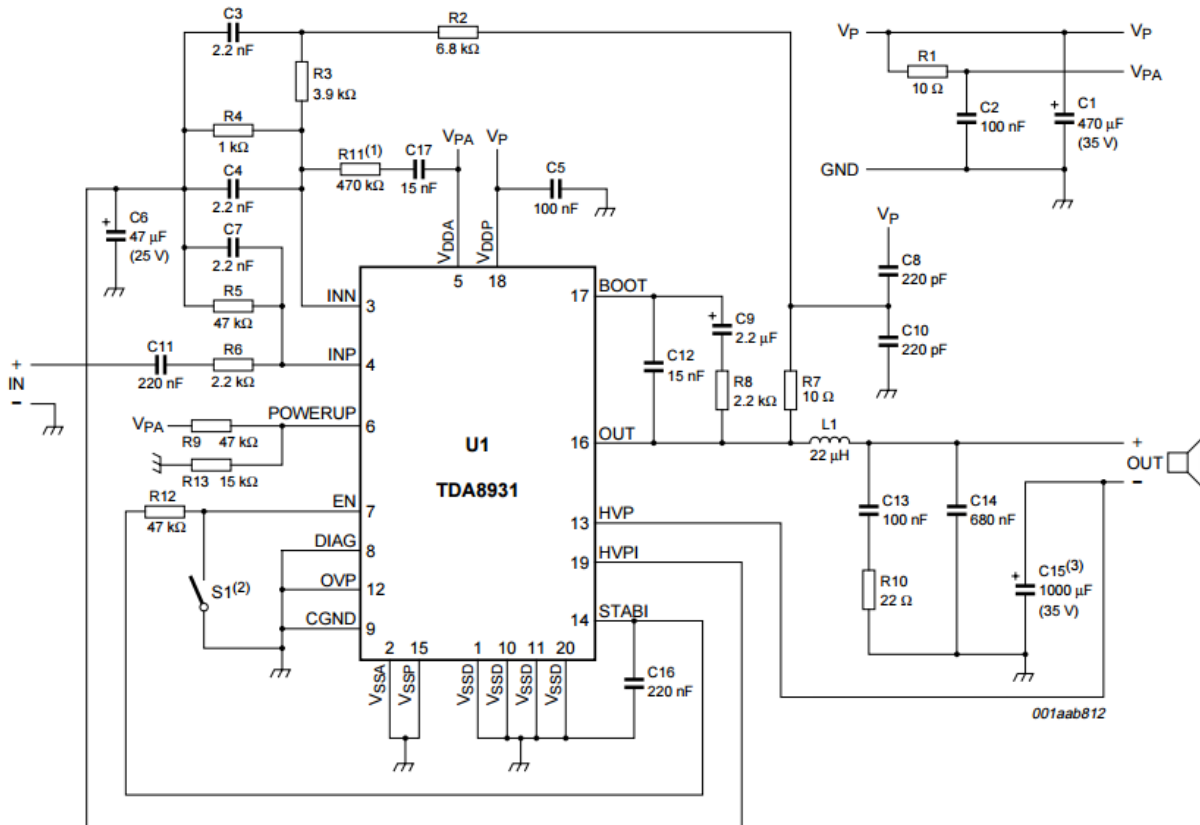




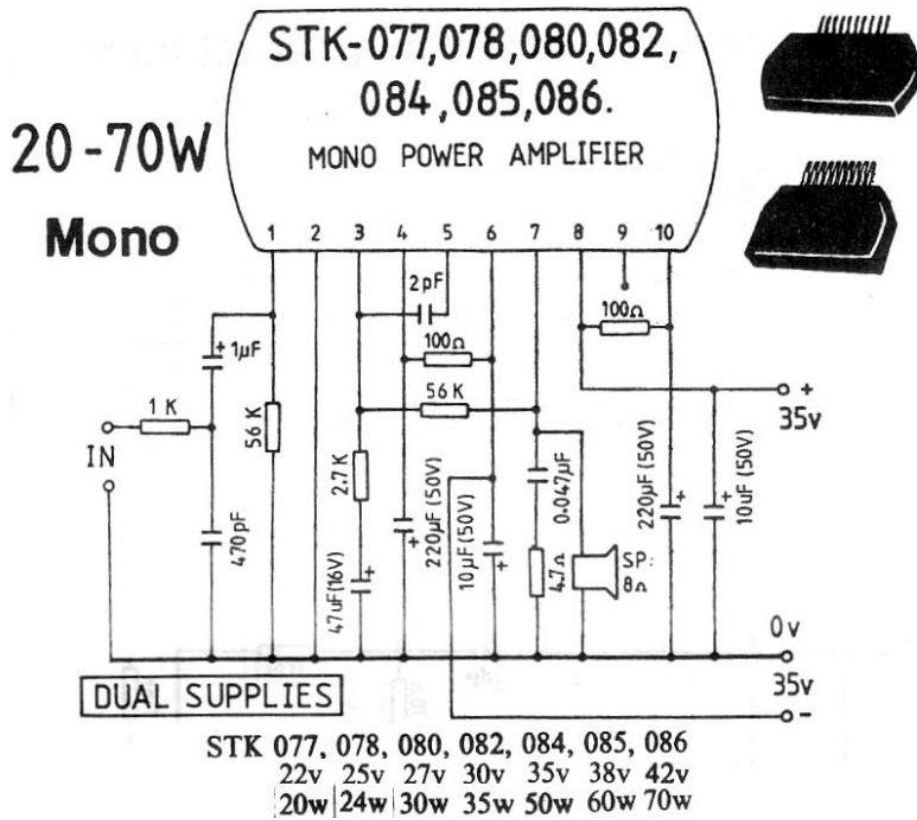
20 Watt Amplifikatör



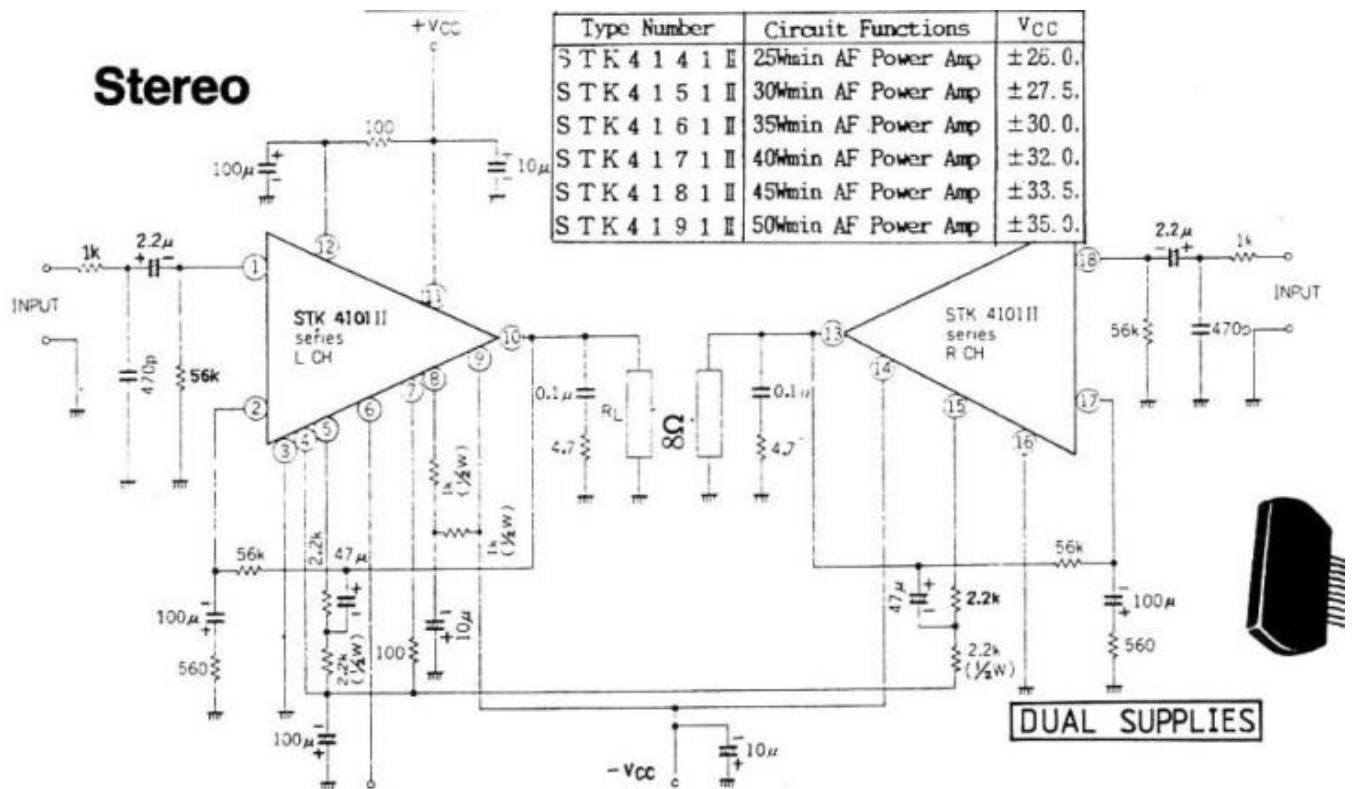
20 Watt Amplifikatör



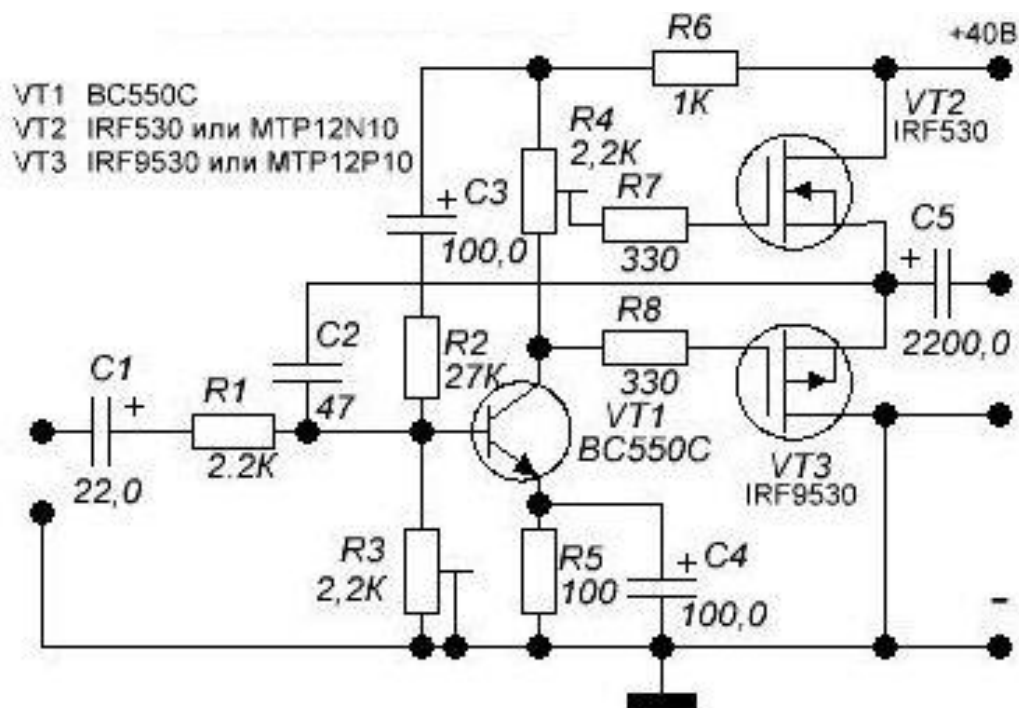
20 – 70 Watt Amplifikator



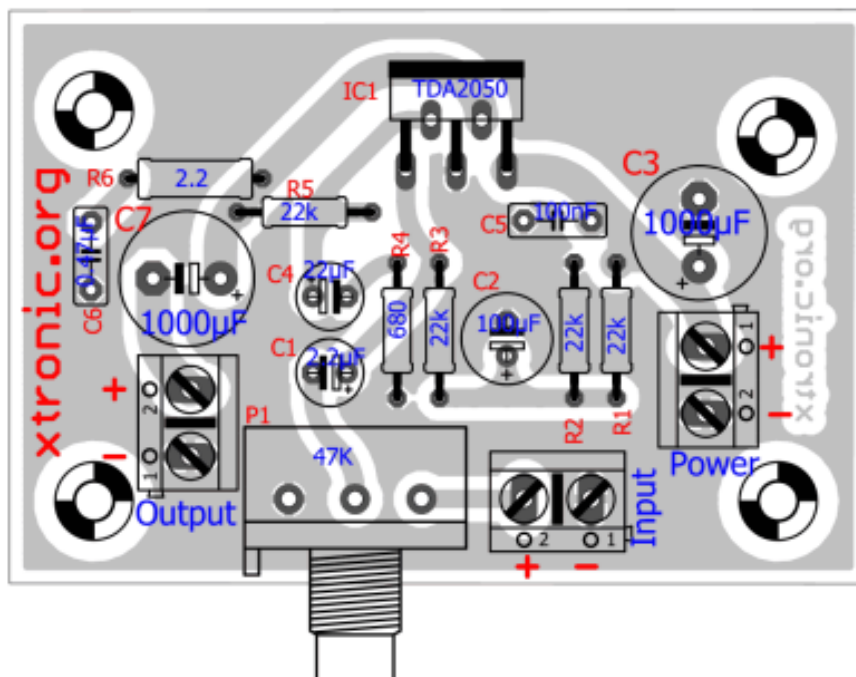
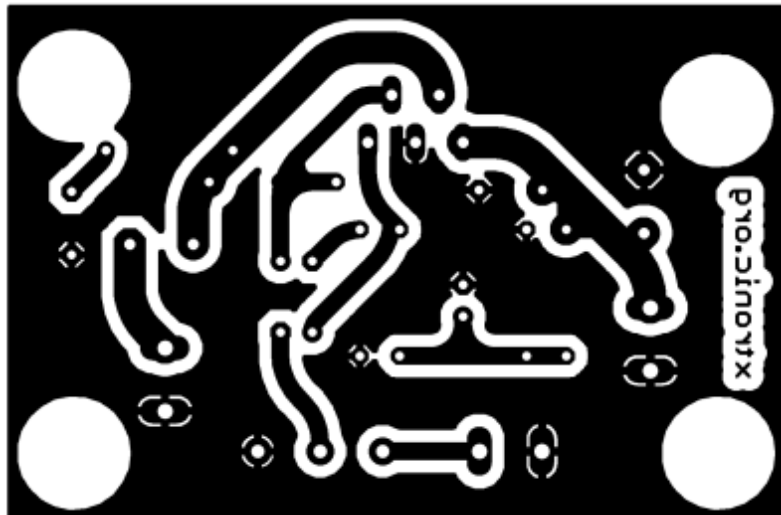
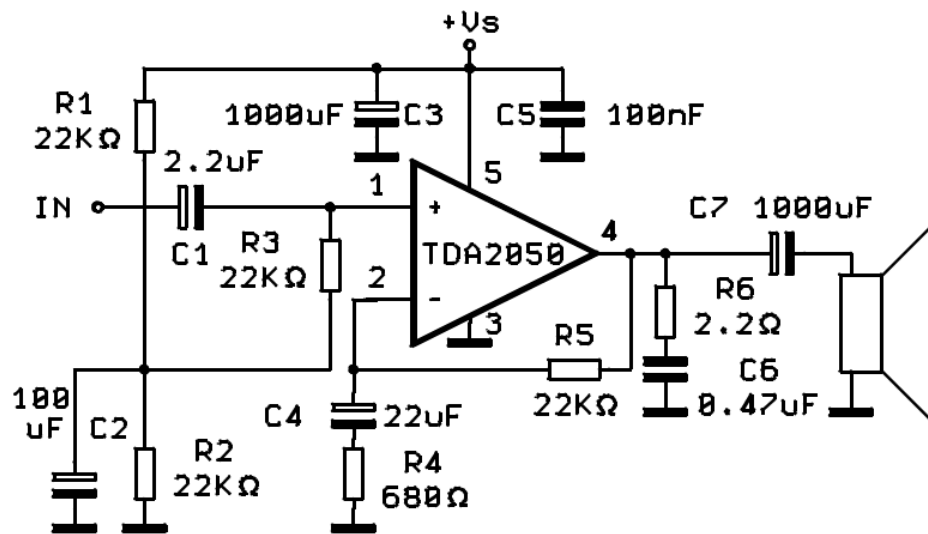
25 – 50 Watt Amplifikatör



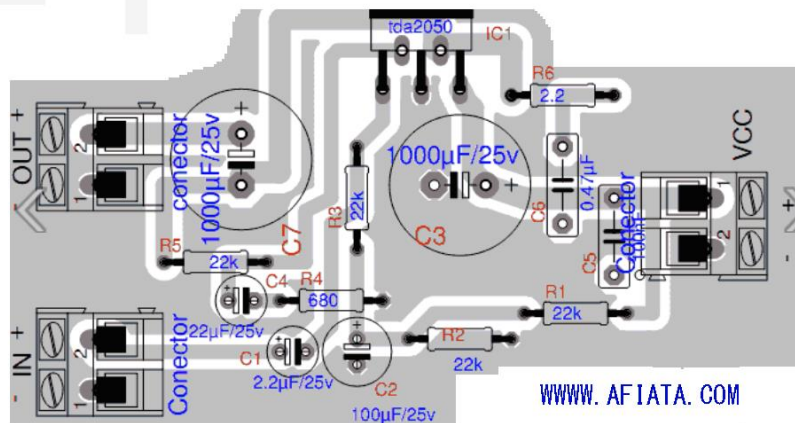
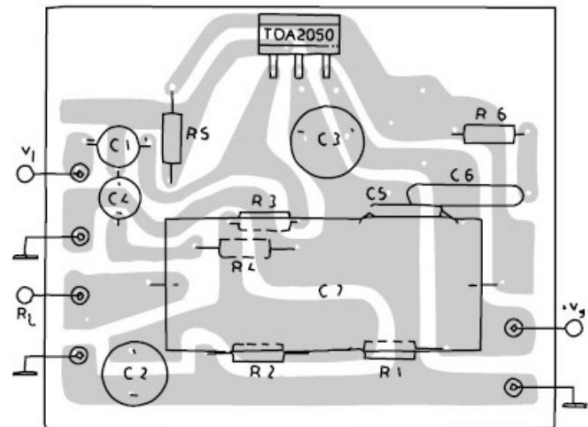
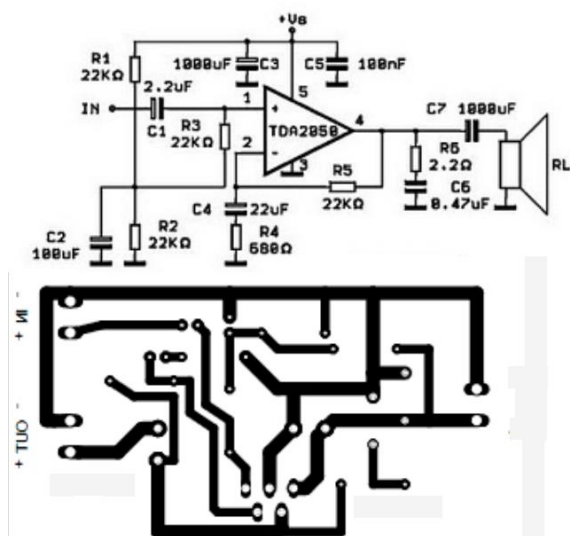
30 Watt Amplifikatör



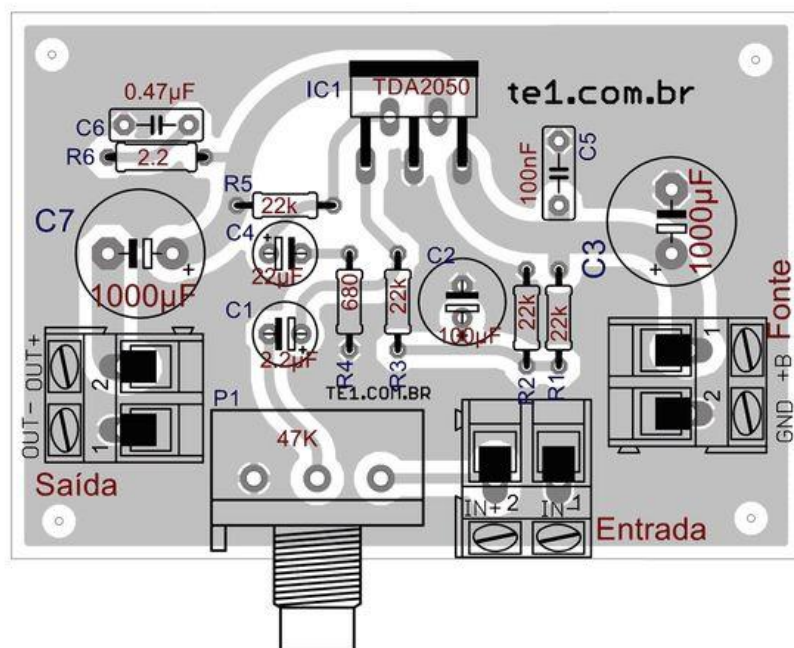
32 Watt Amplifikatör



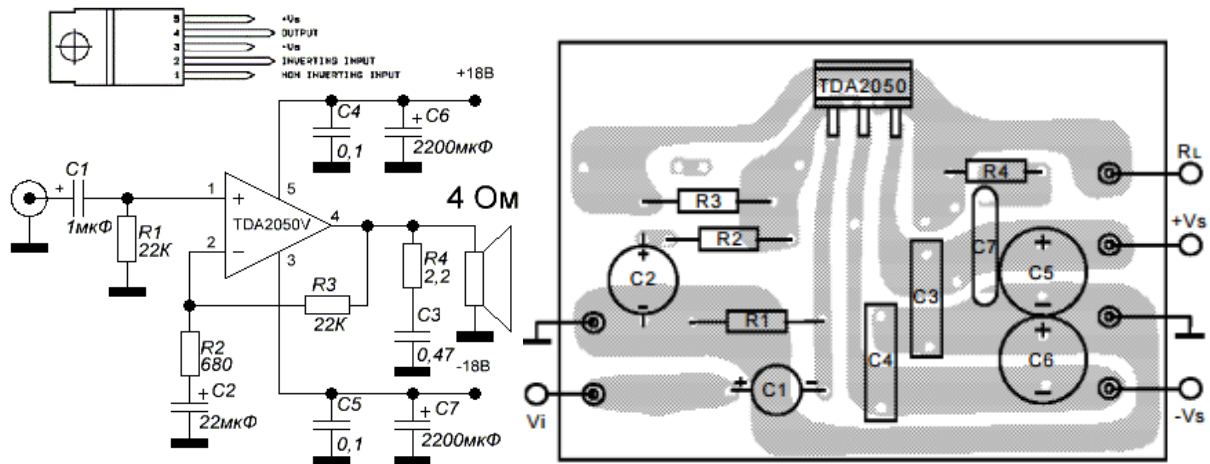
32 Watt Amplifikatör



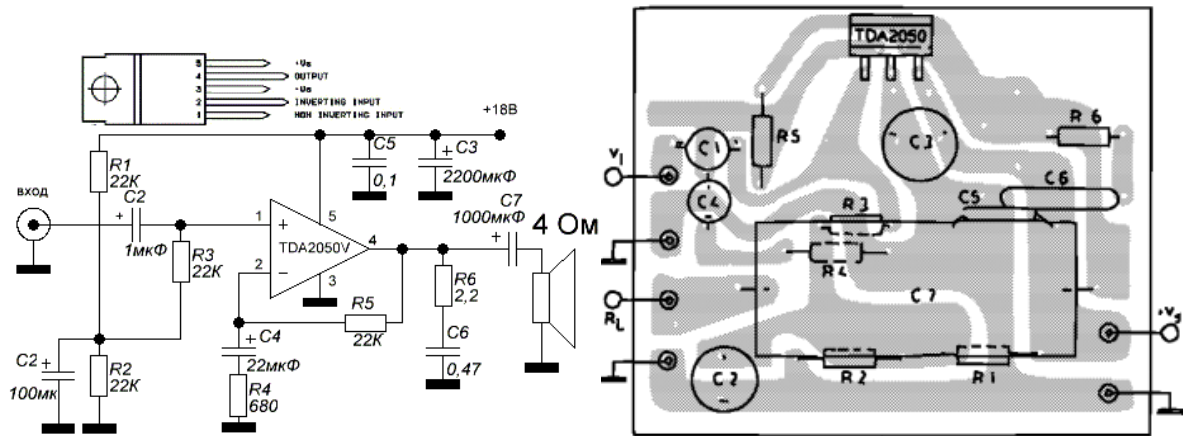
WWW.AFIATA.COM



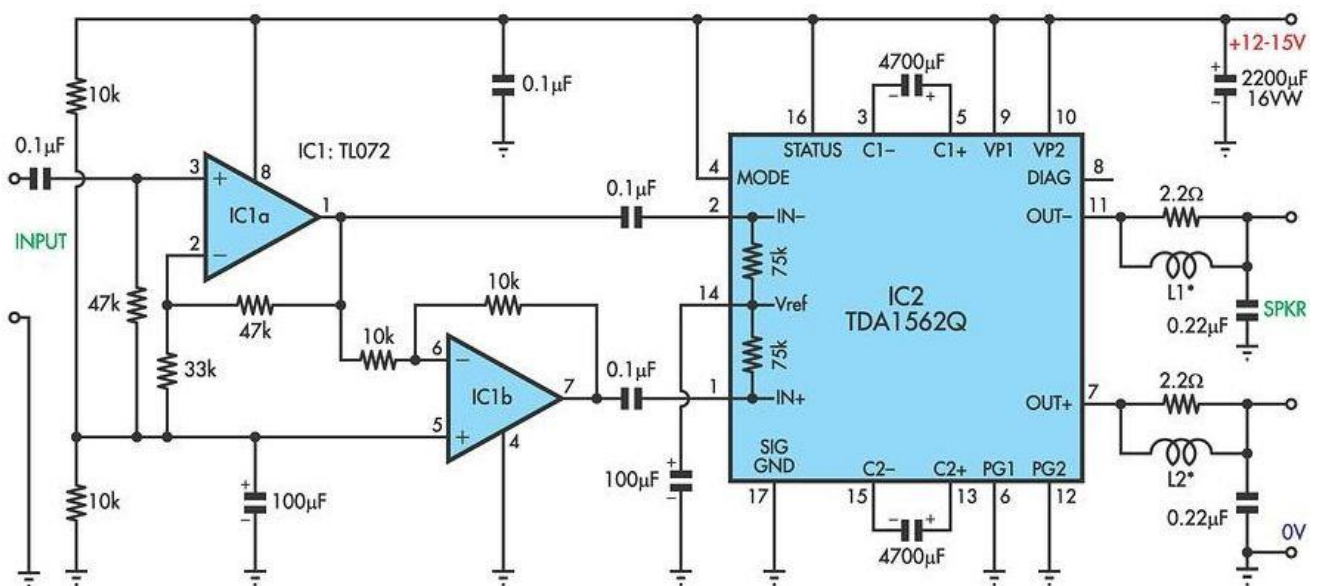
32 Watt Amplifikatör

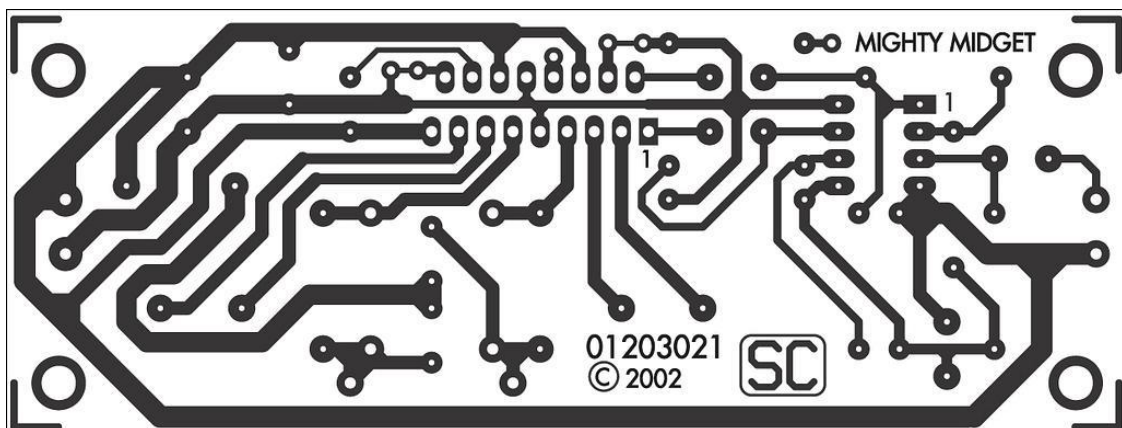
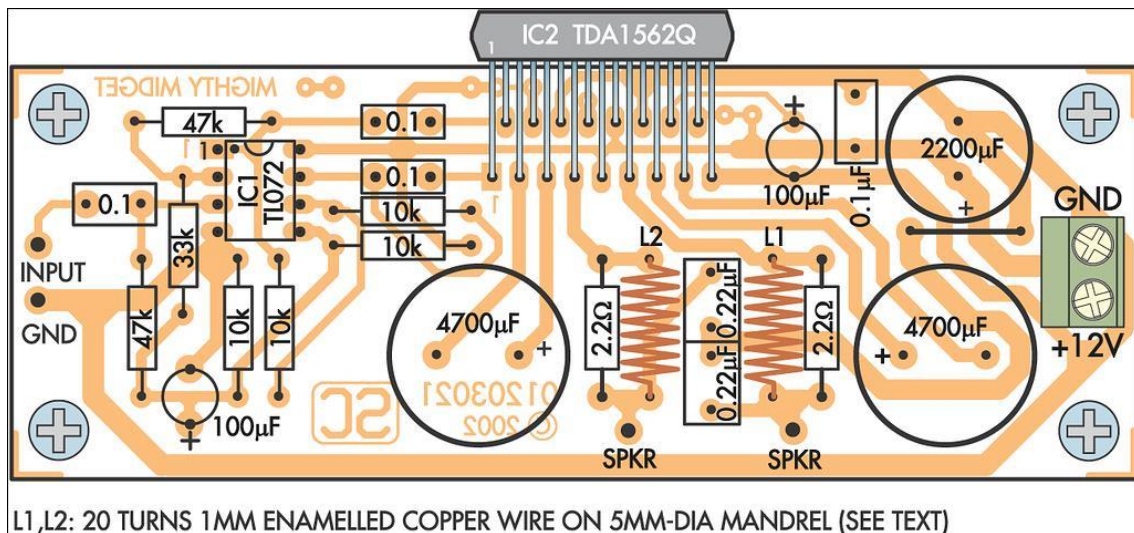


32 Watt Amplifikatör

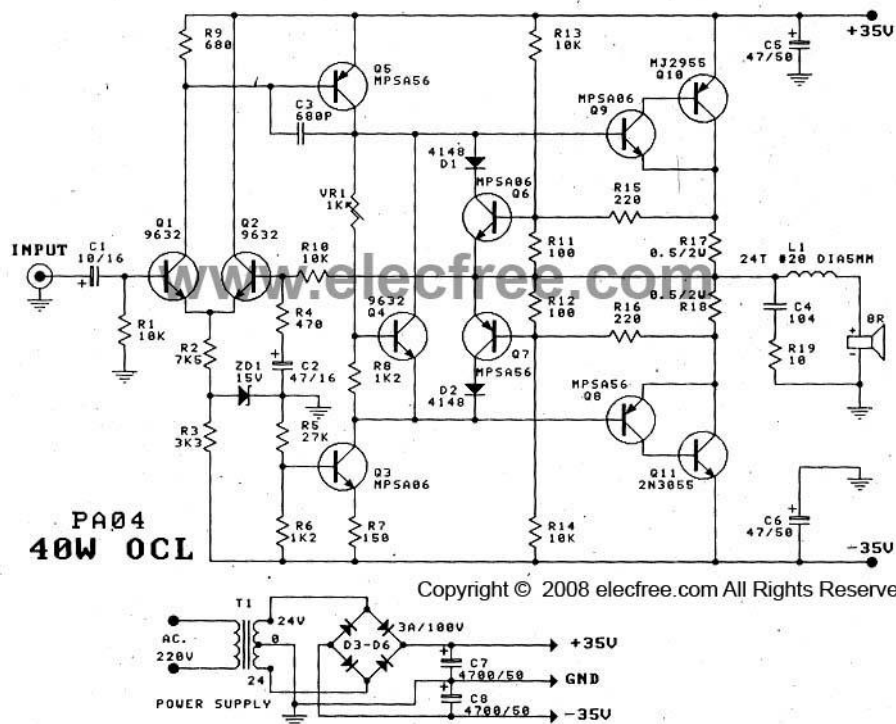


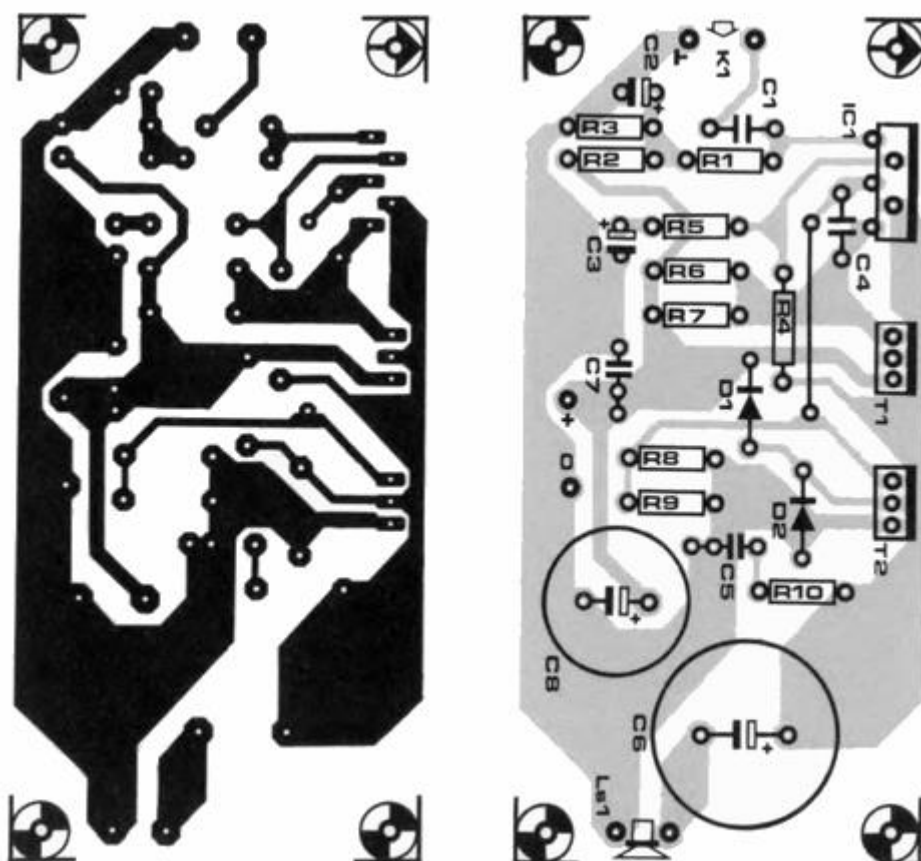
36 Watt Amplifikatör



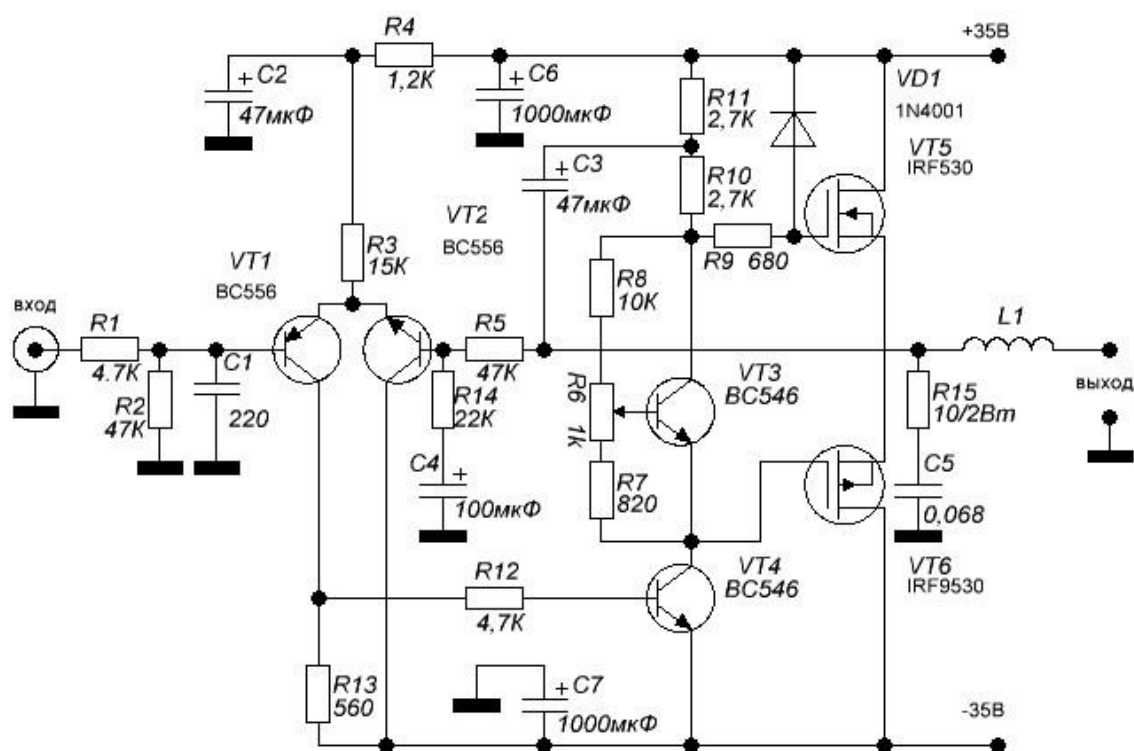


40 Watt Amplifikatör

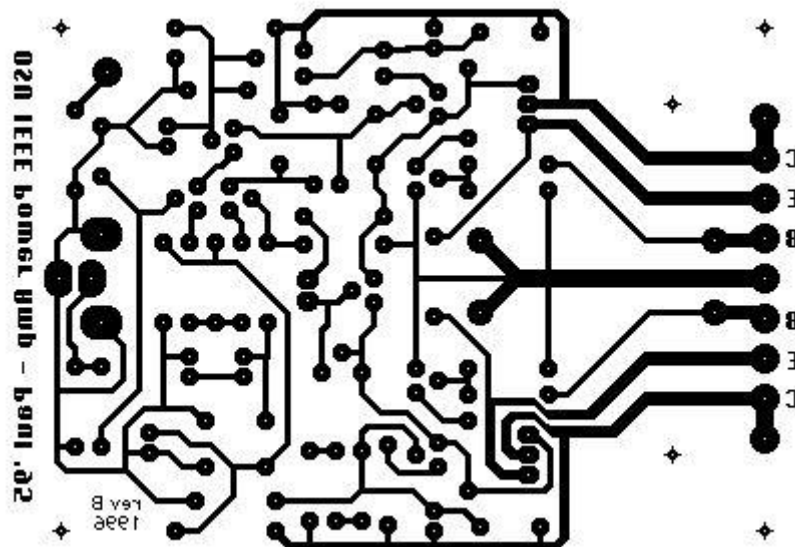
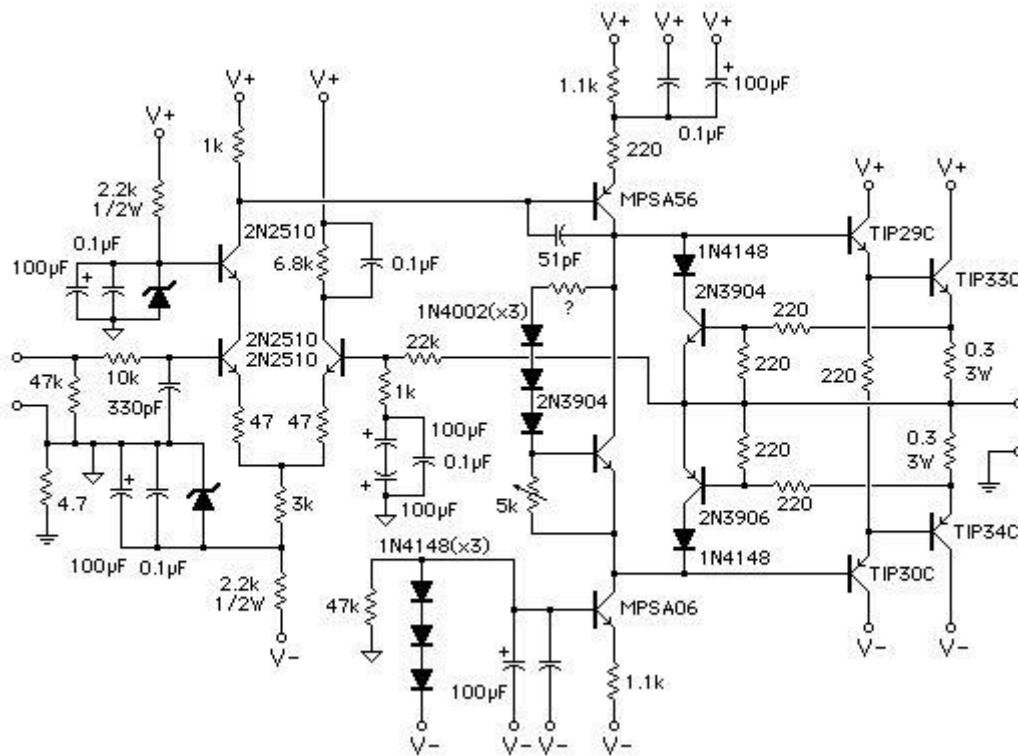


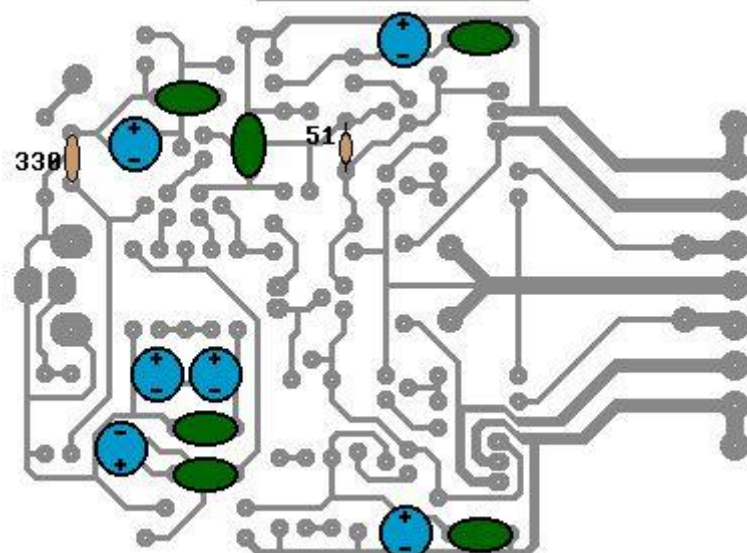
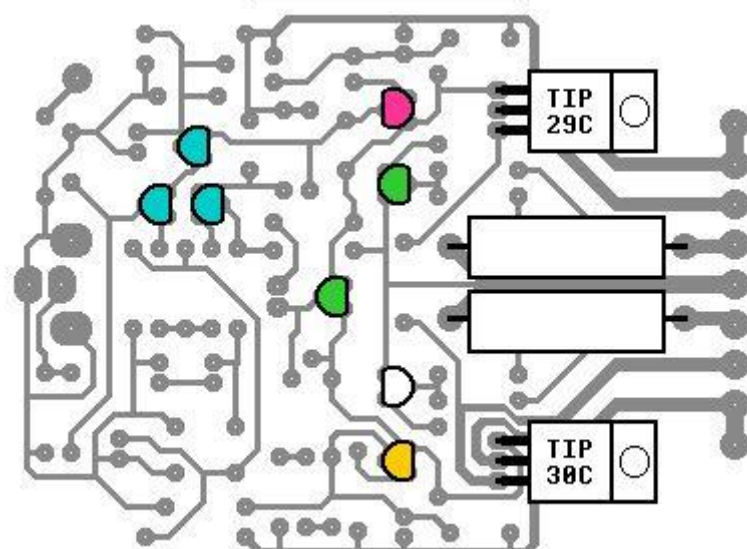
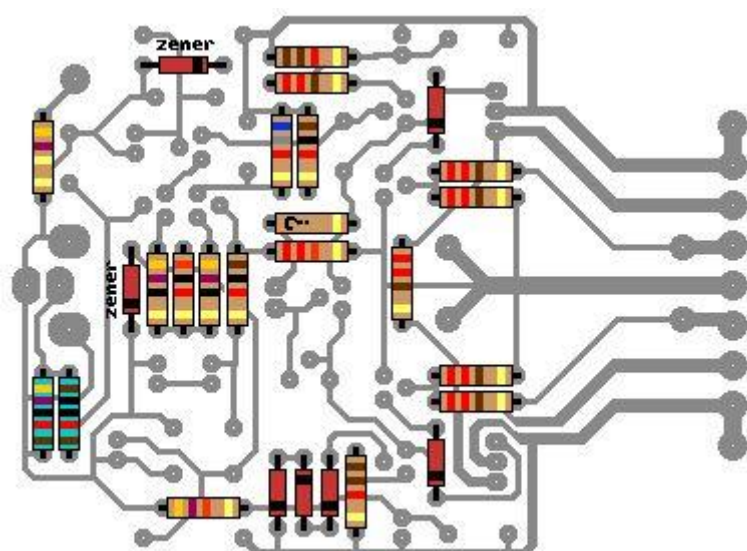


50 Watt Amplifikatör

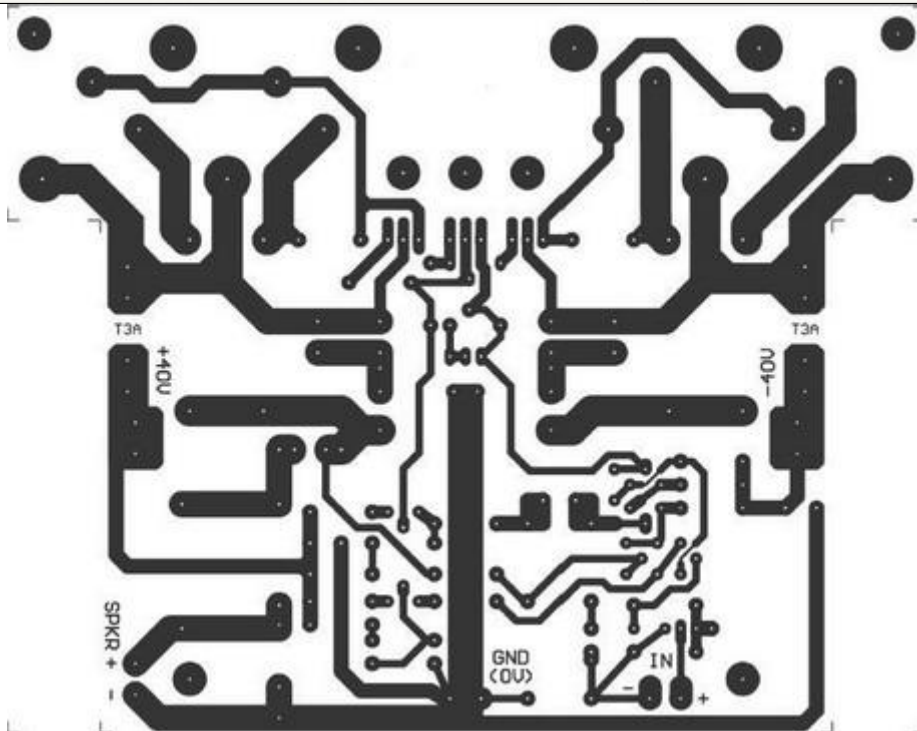
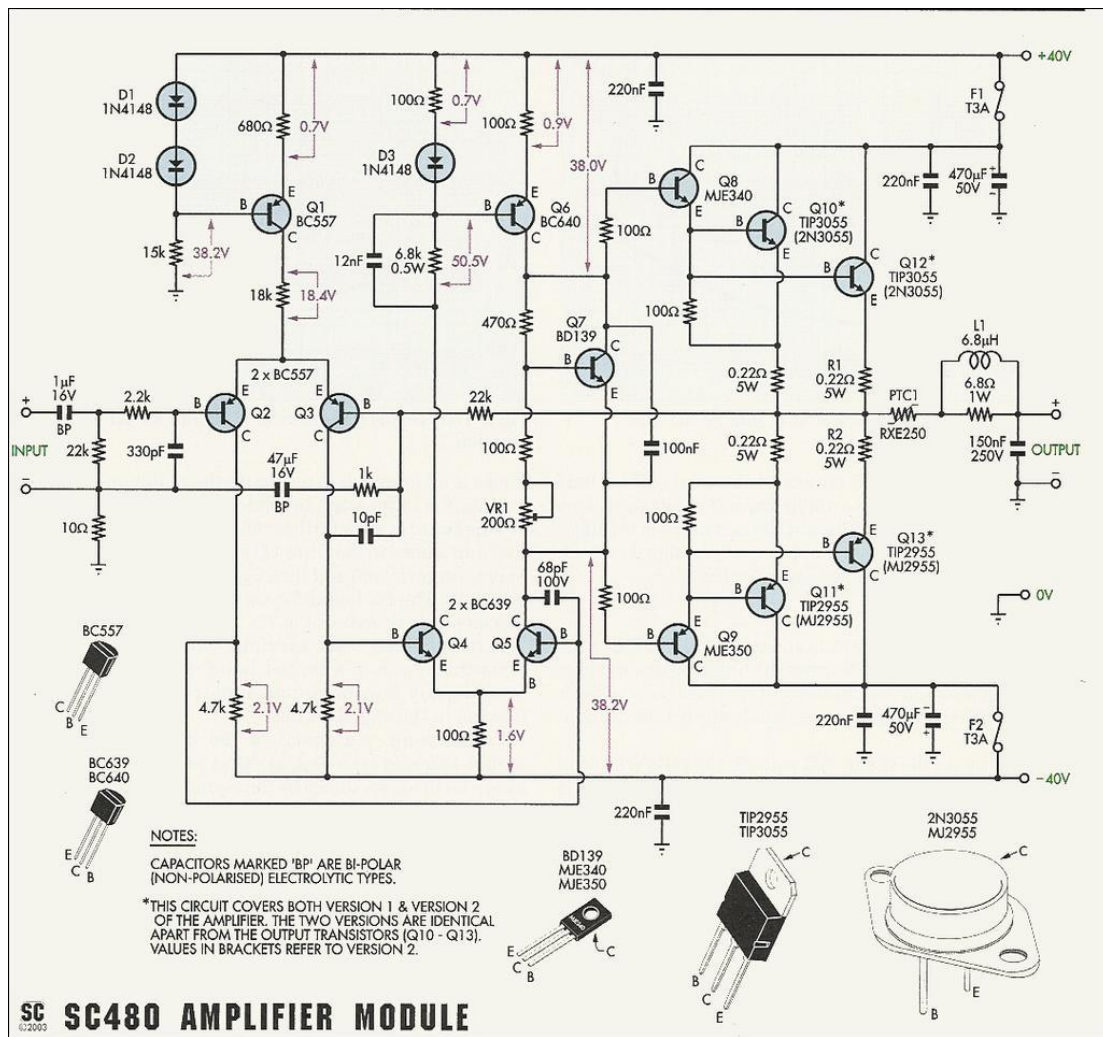


50 Watt Amplifikator

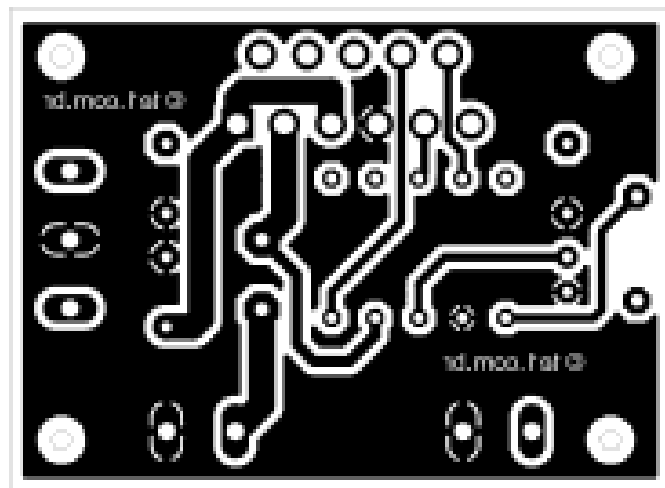
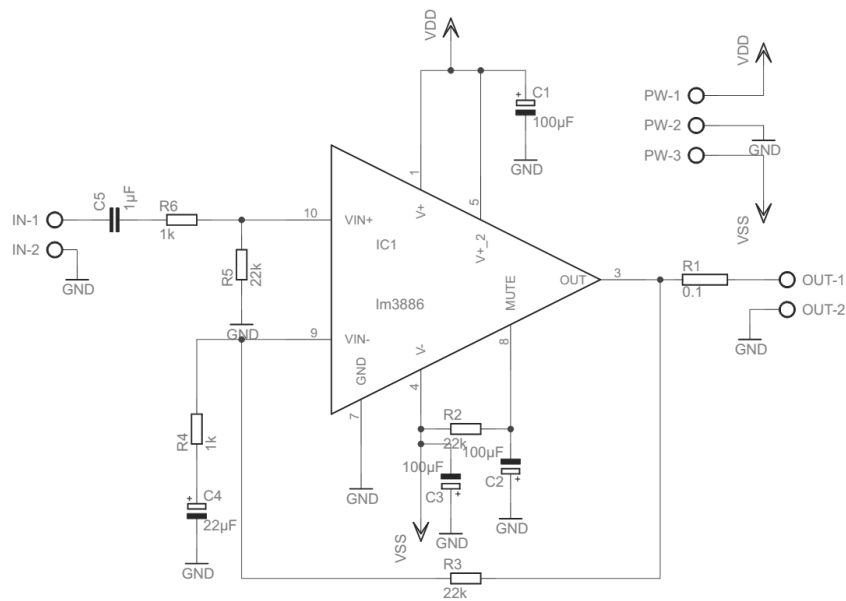




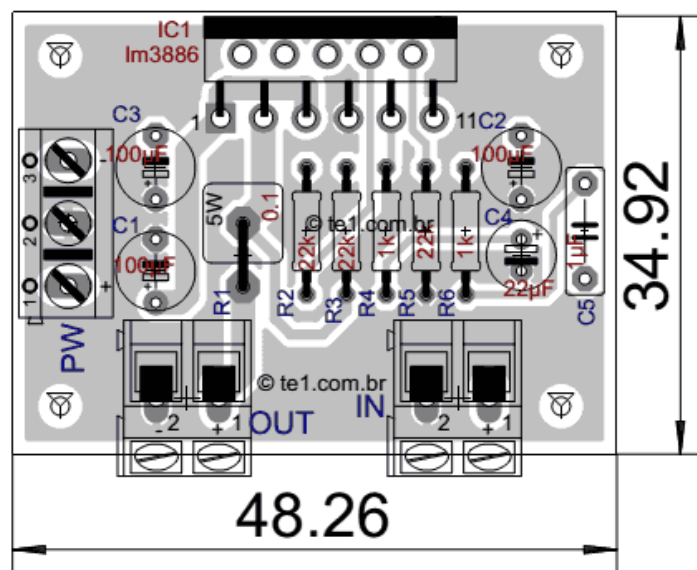
50 Watt Amplifikator



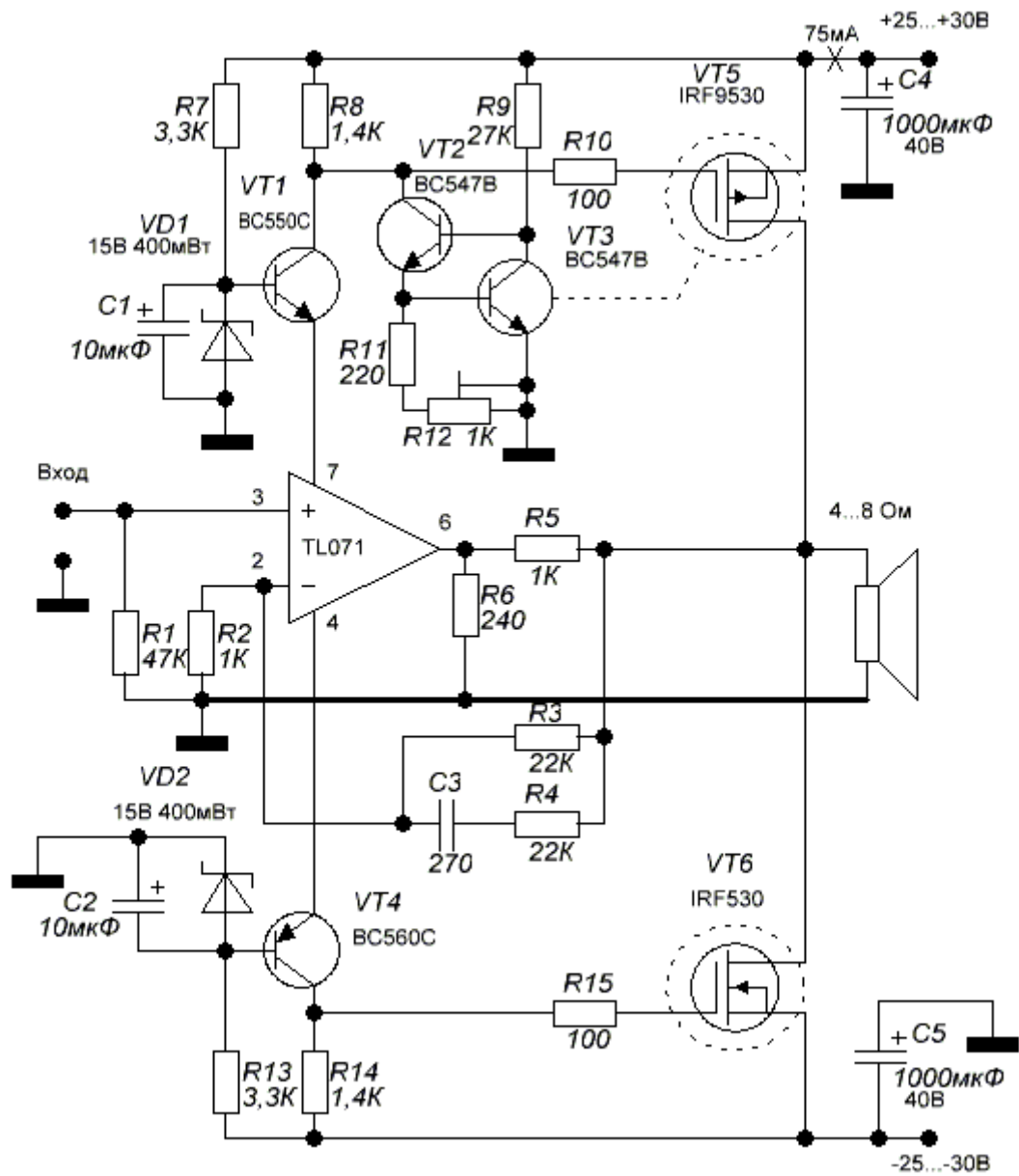
70 Watt Amplifikatör



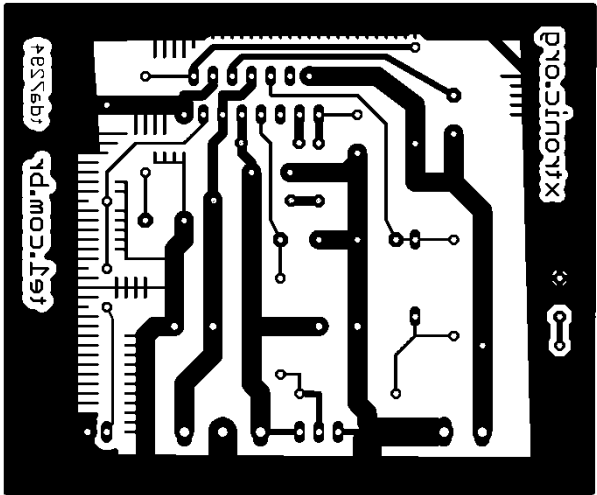
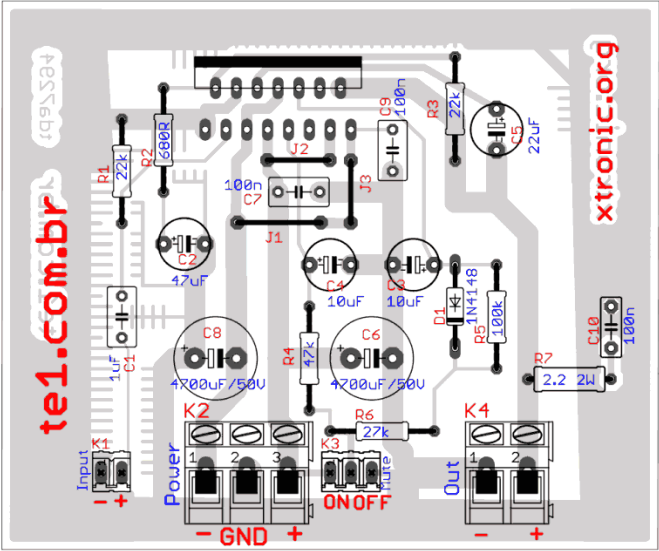
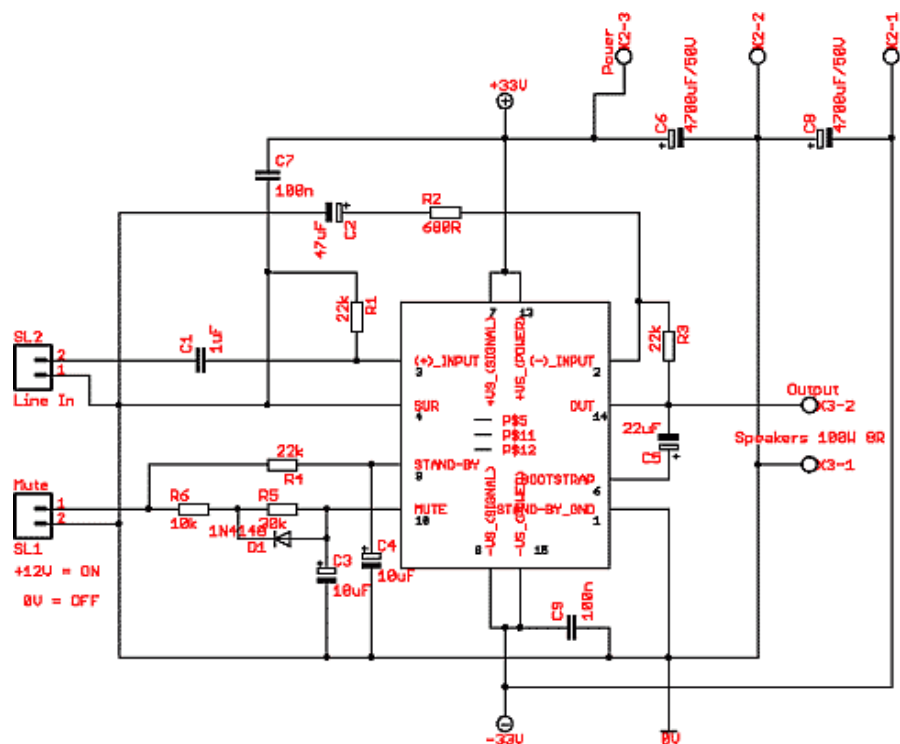
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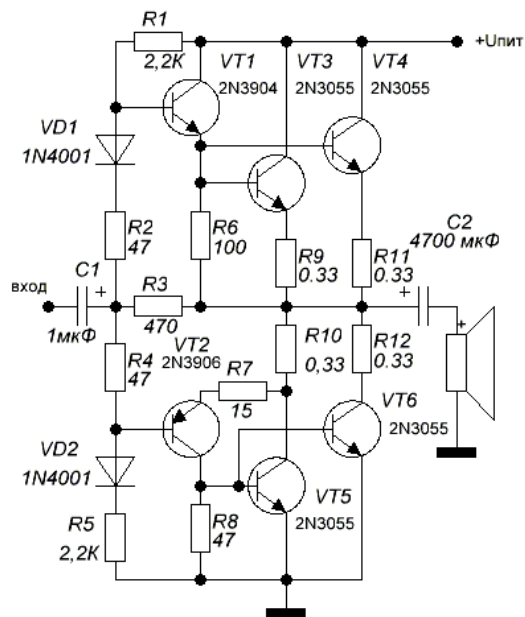
70 Watt Amplifikatör



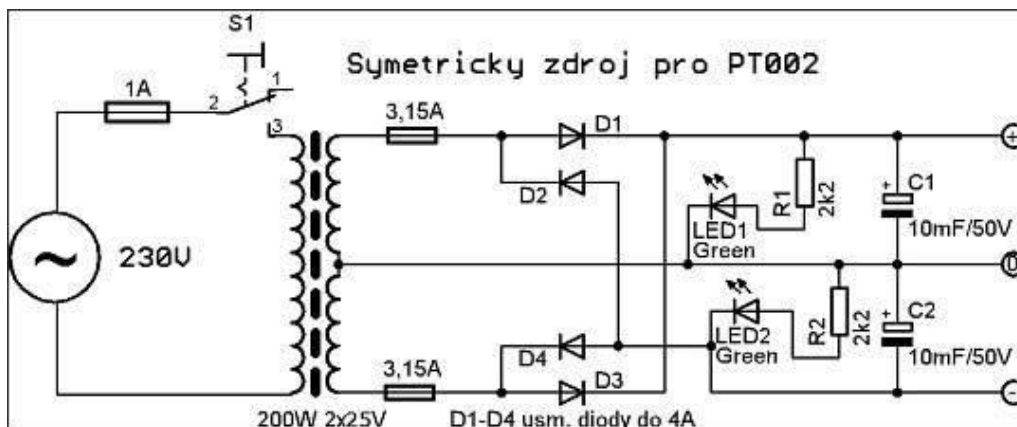
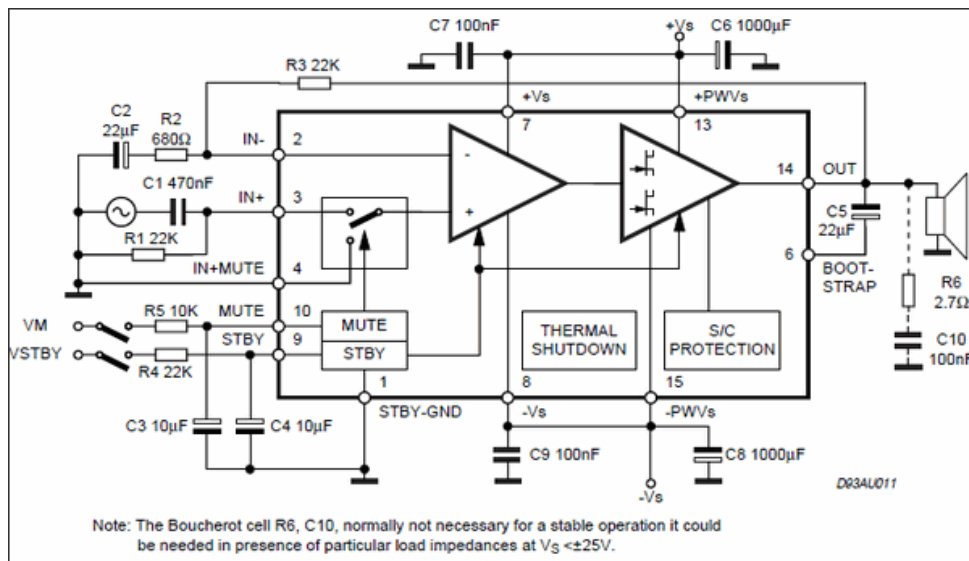
80 Watt Amplifikatör

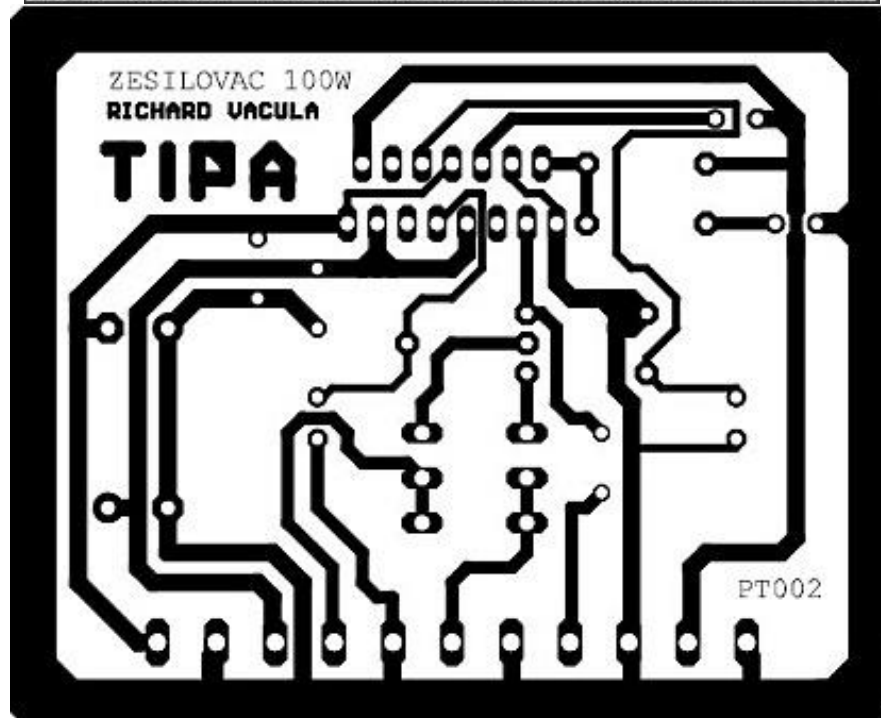


90 Watt Amplifikátor

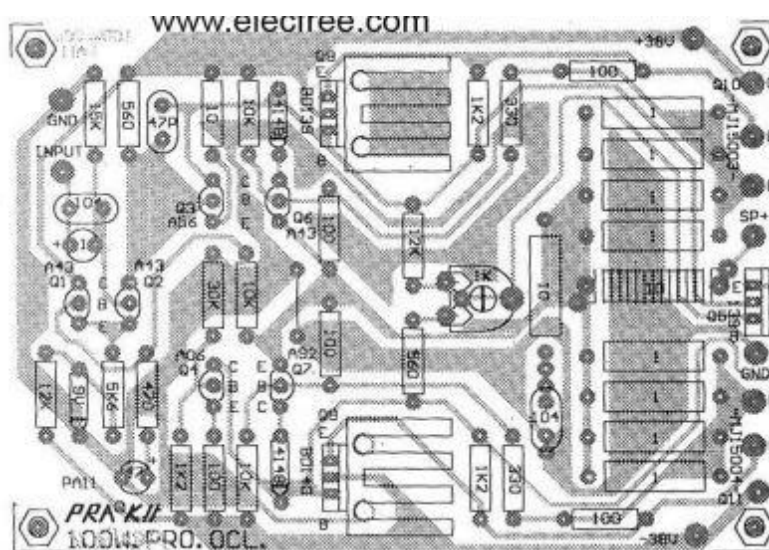
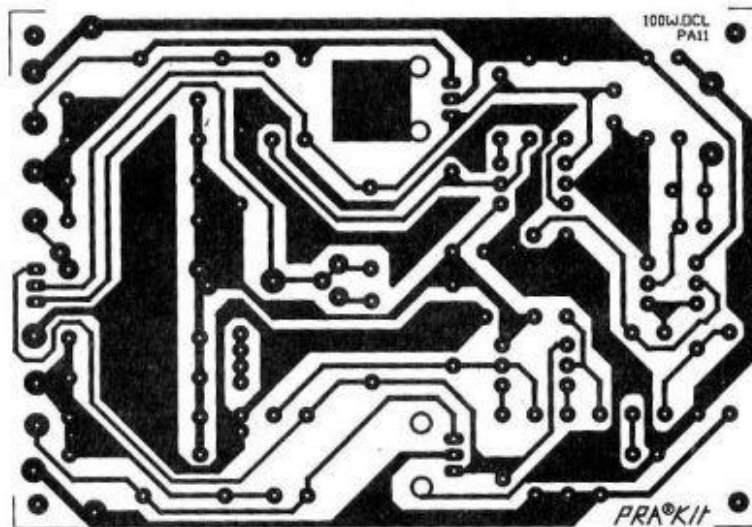
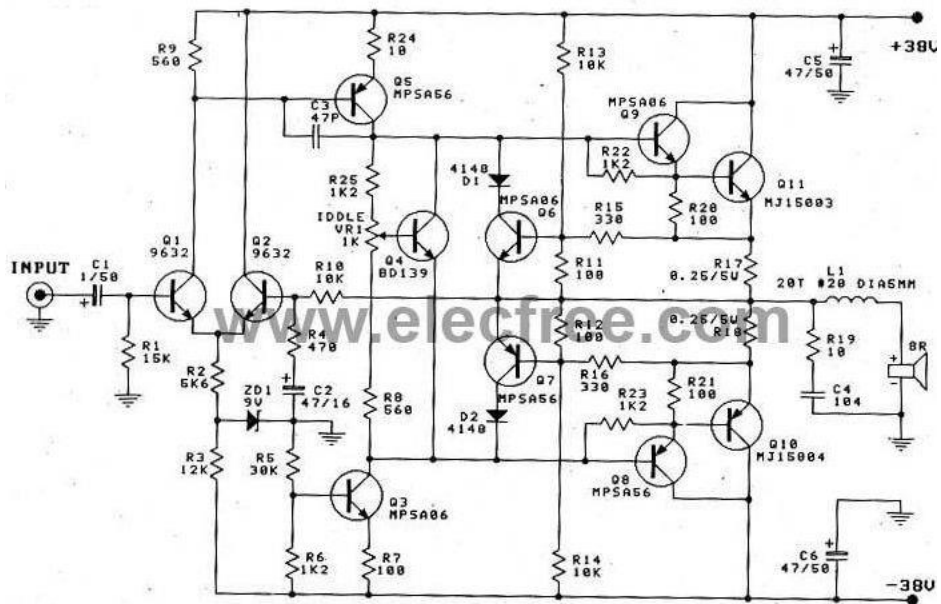


100 Watt Amplifikátor

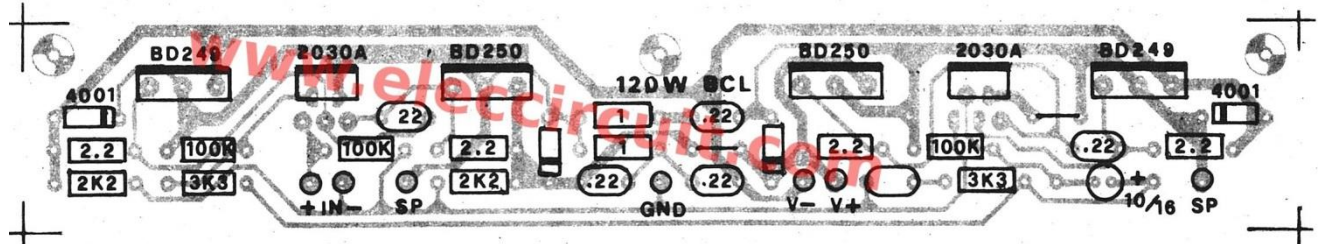
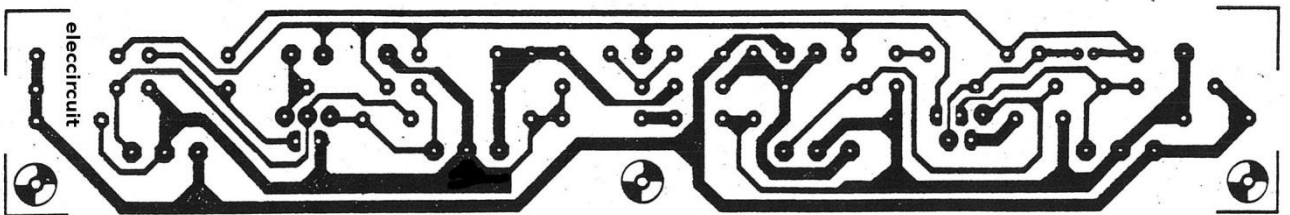
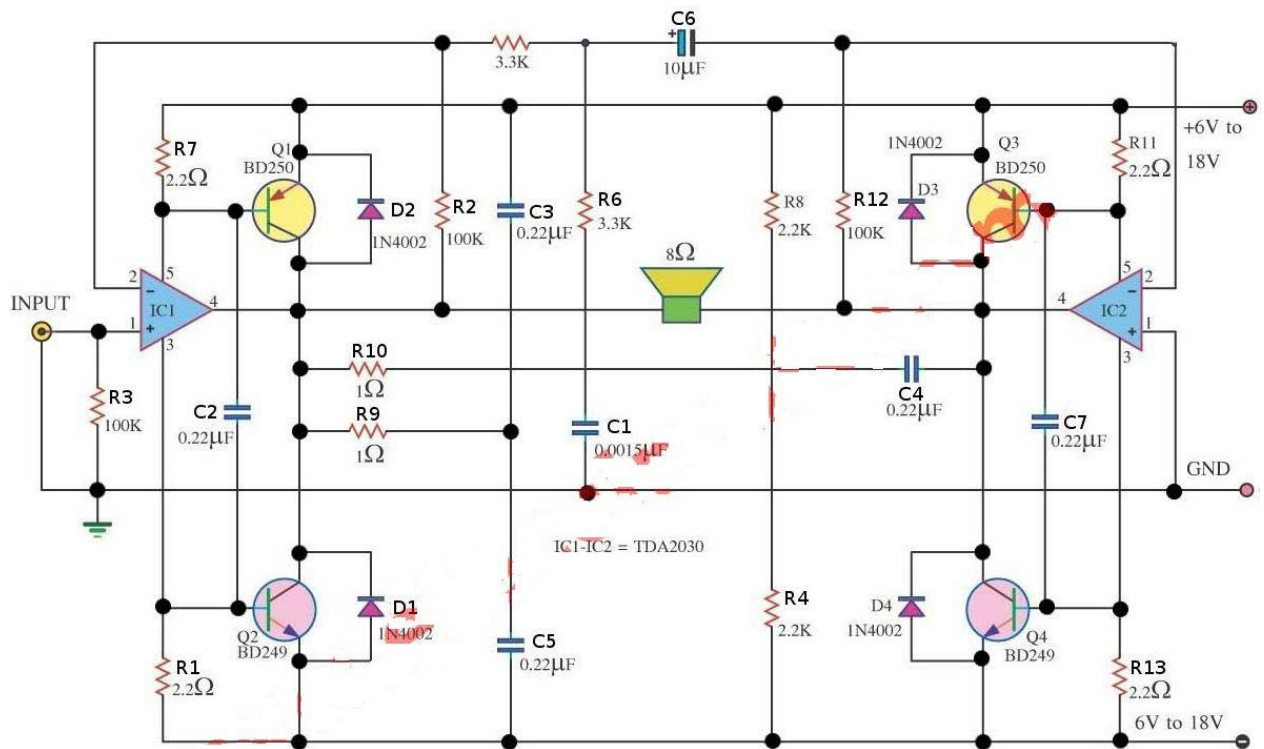




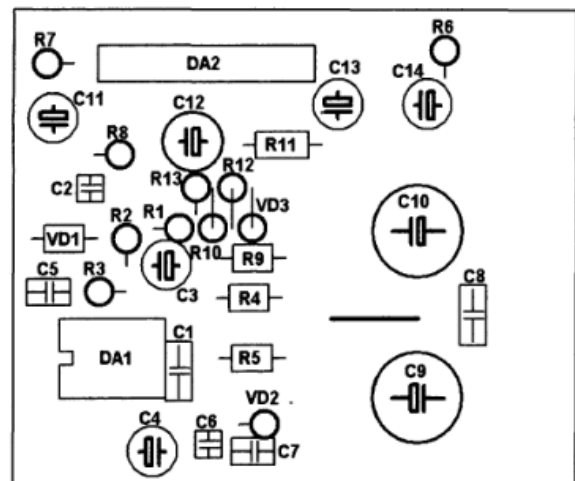
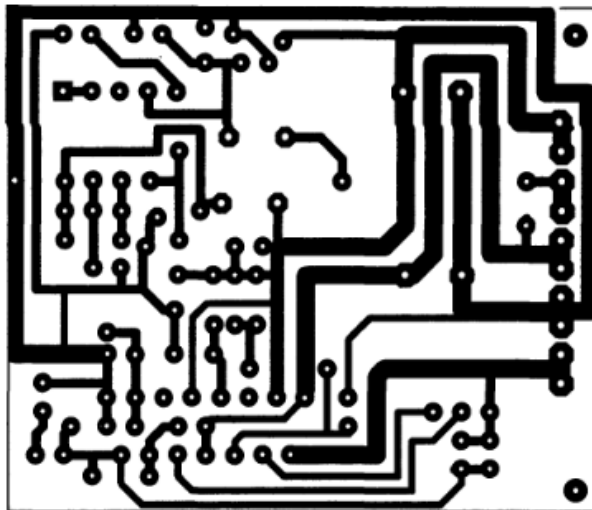
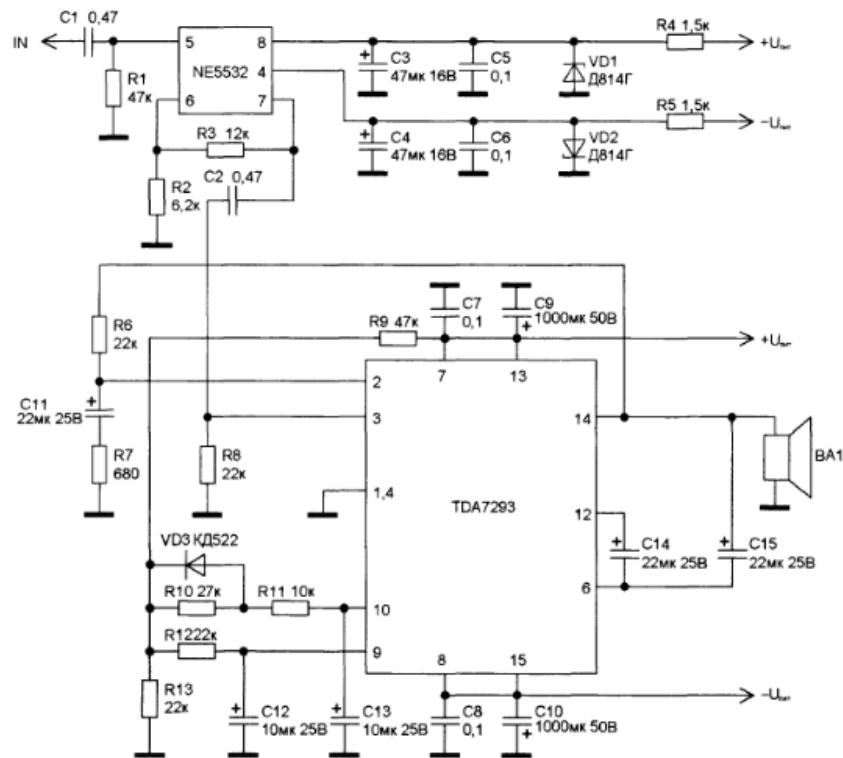
100 Watt Amplifikator



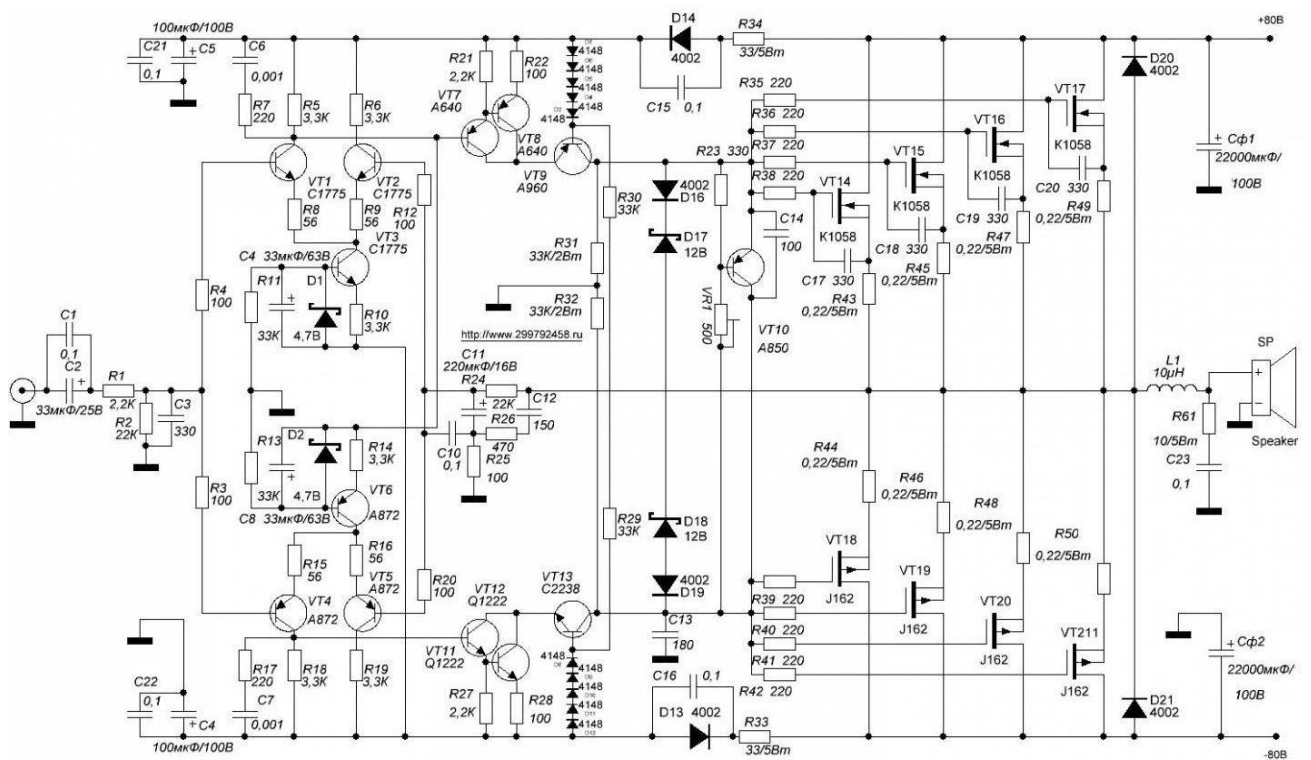
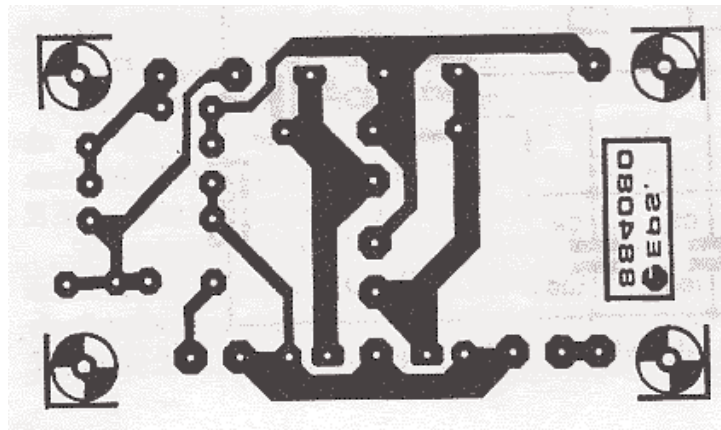
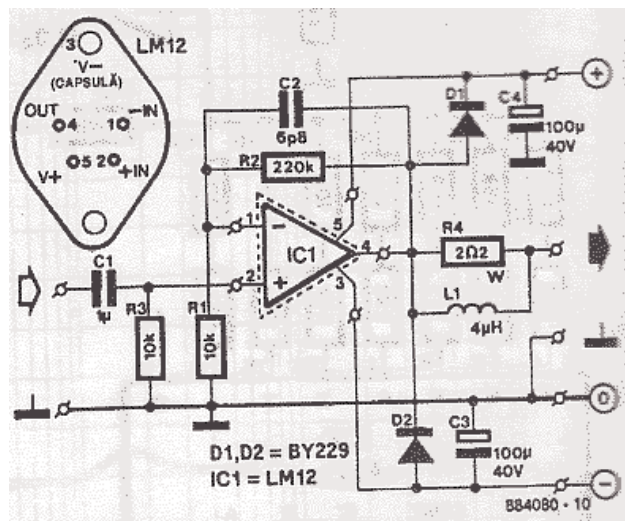
120 Watt Amplifikatör



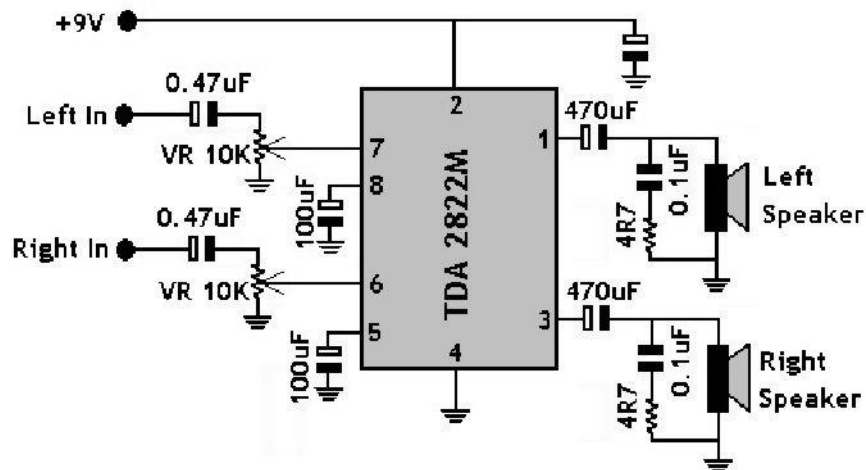
140 Watt Amplifikator



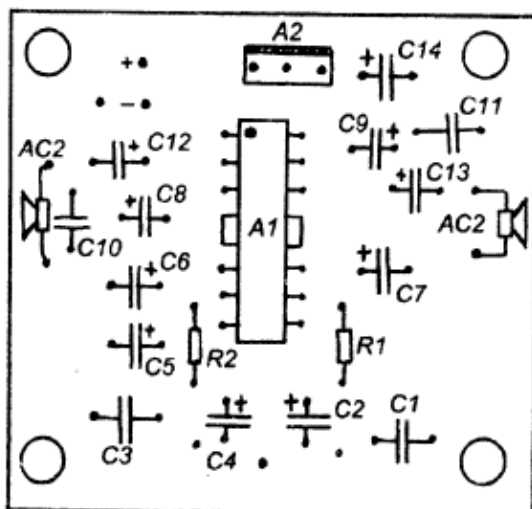
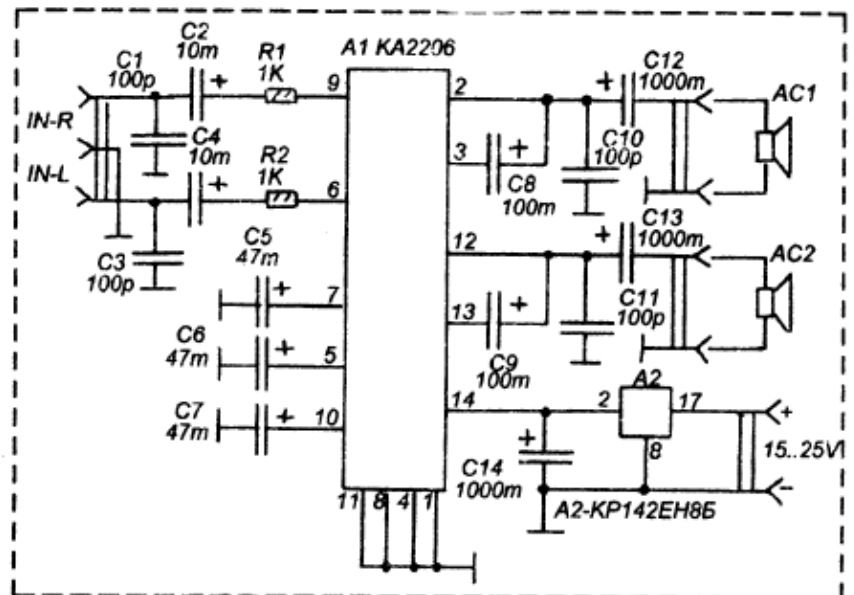
150 Watt Amplifikator



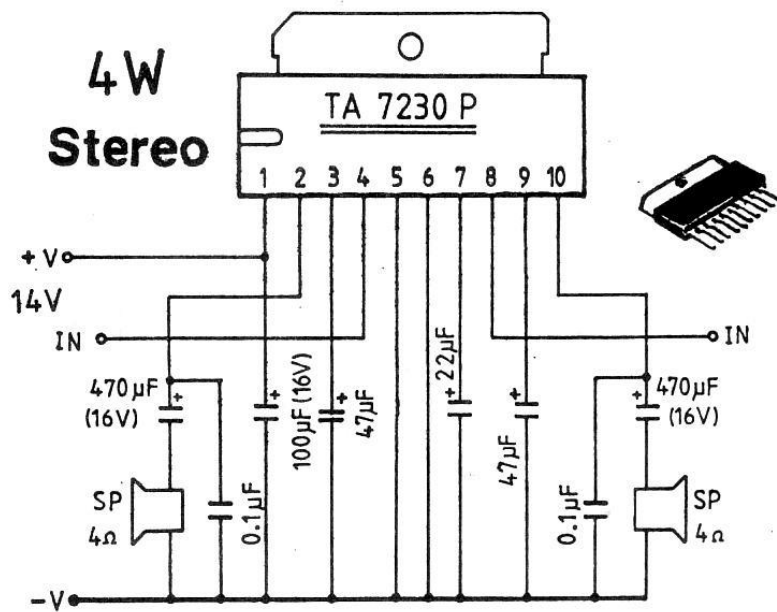
Stereo 1 Watt Amplifikatör



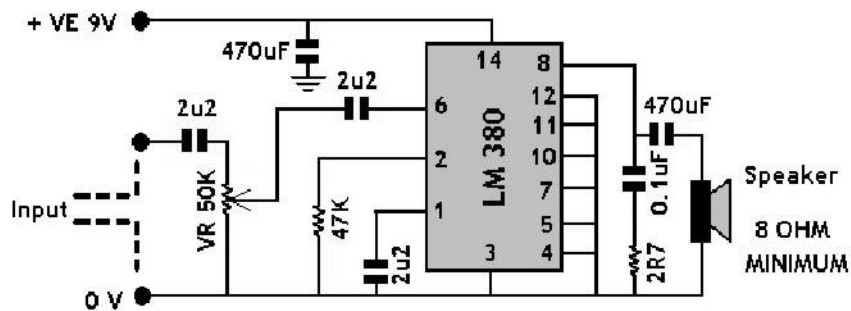
Stereo 3 Watt Amplifikatör



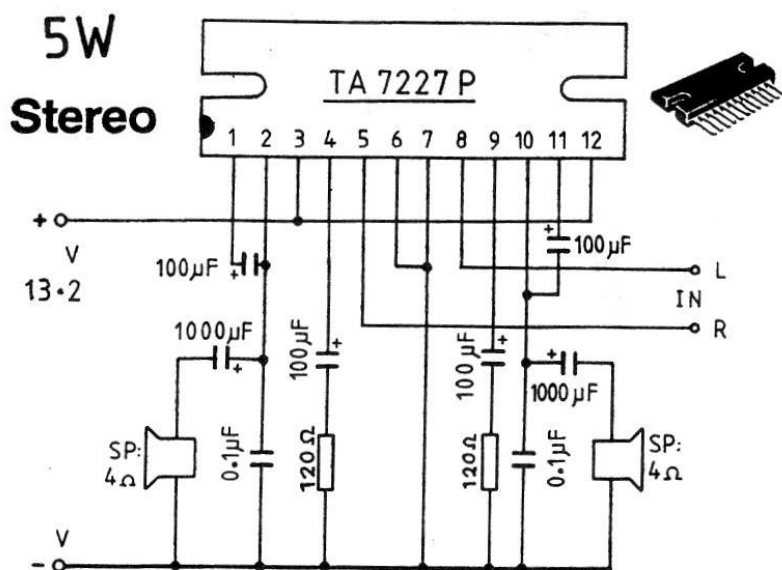
Stereo 4 Watt Amplifikatör



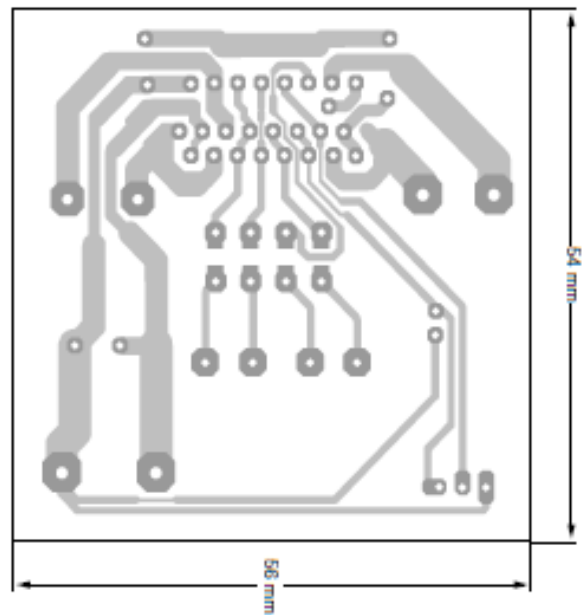
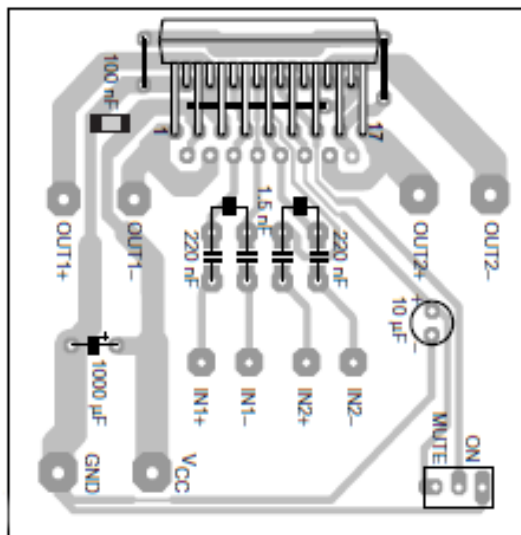
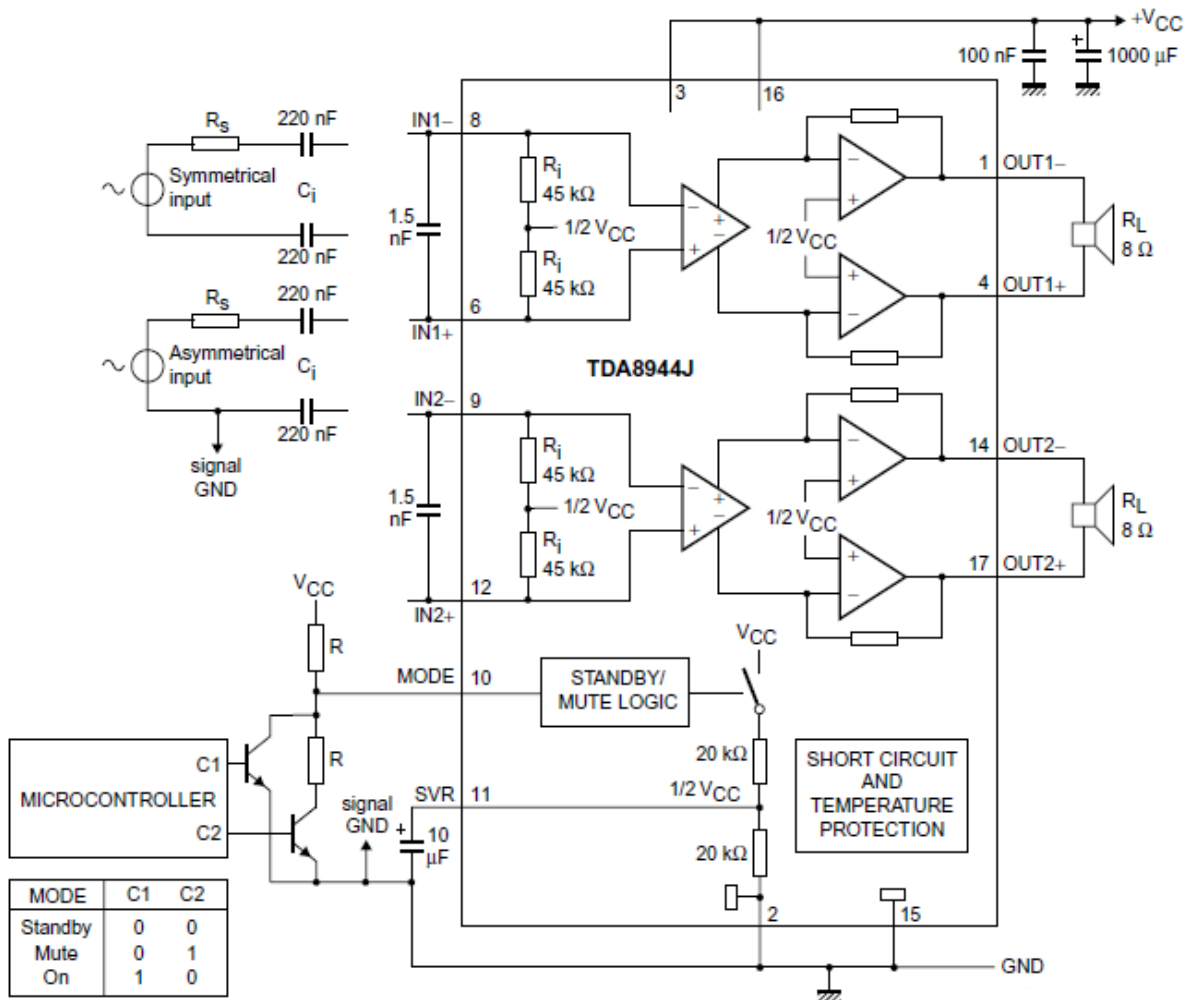
Stereo 5 Watt Amplifikatör



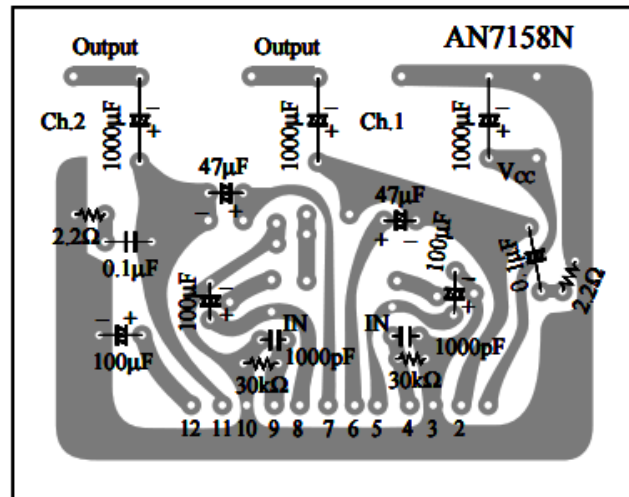
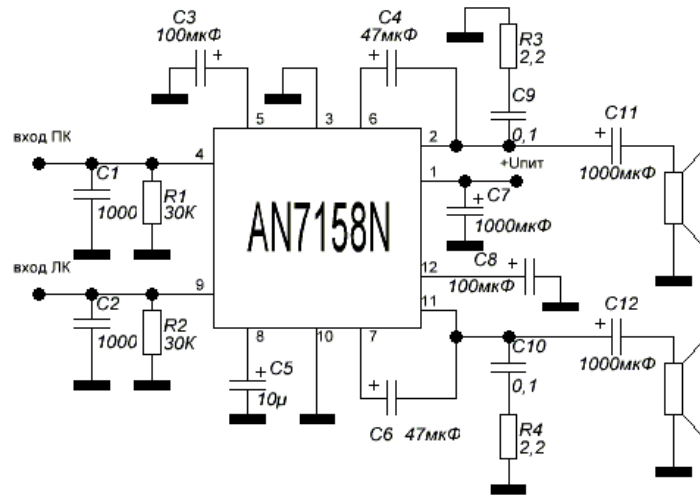
Stereo 5 Watt Amplifikatör



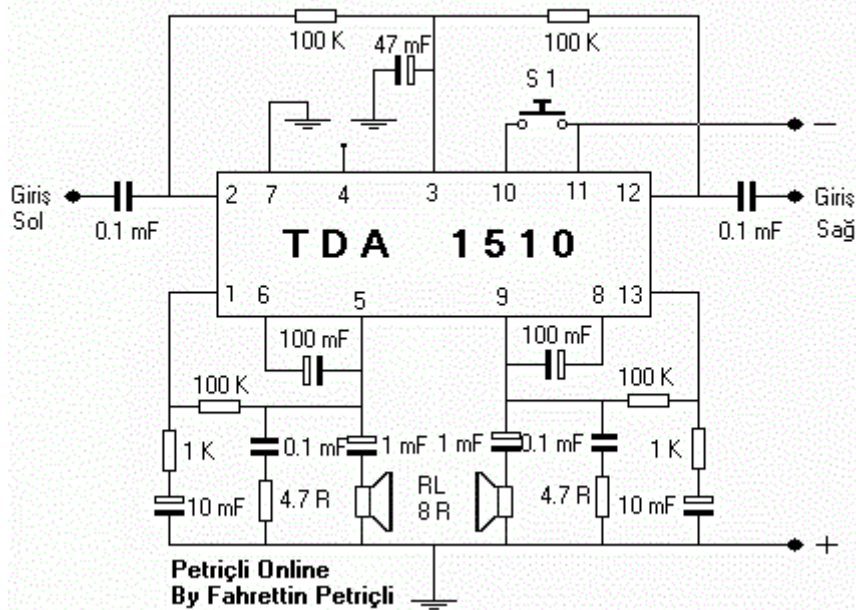
Stereo 7 Watt Amplifikatör



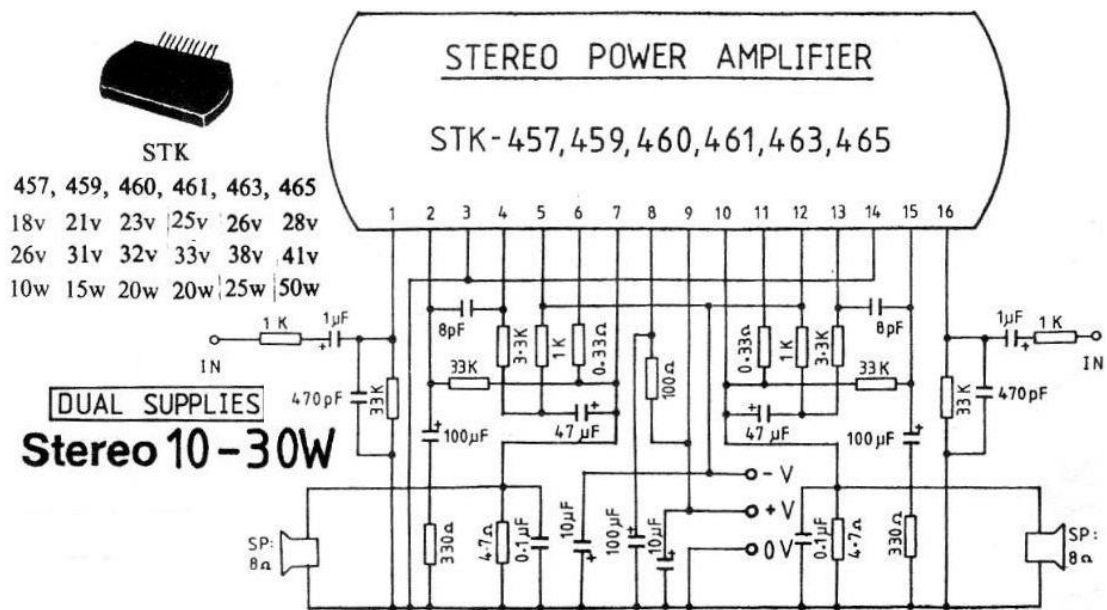
Stereo 7,7 Watt Amplifikatör



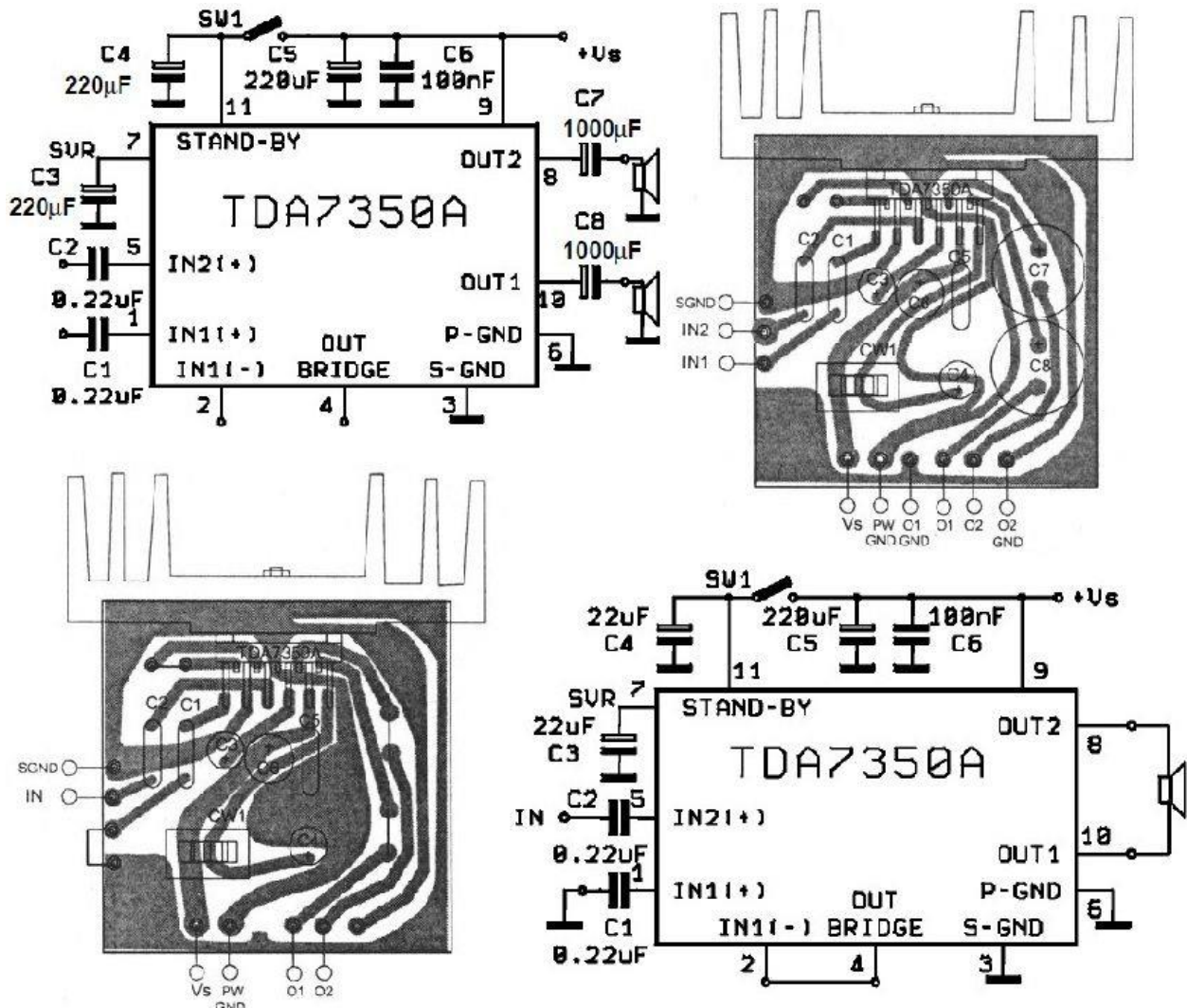
Stereo 9 Watt Amplifikatör



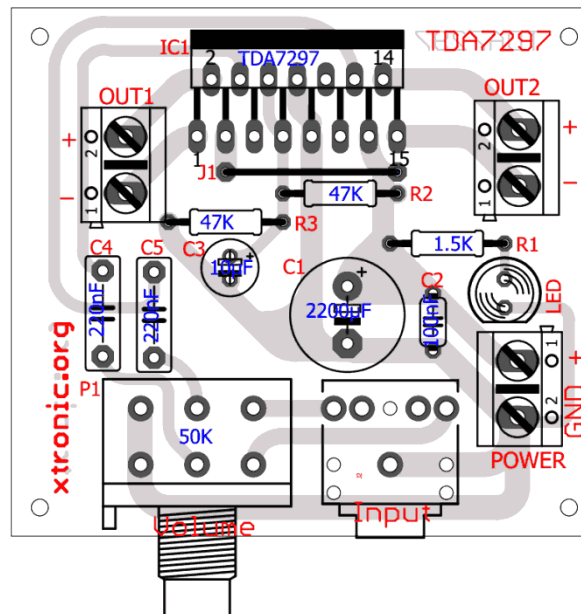
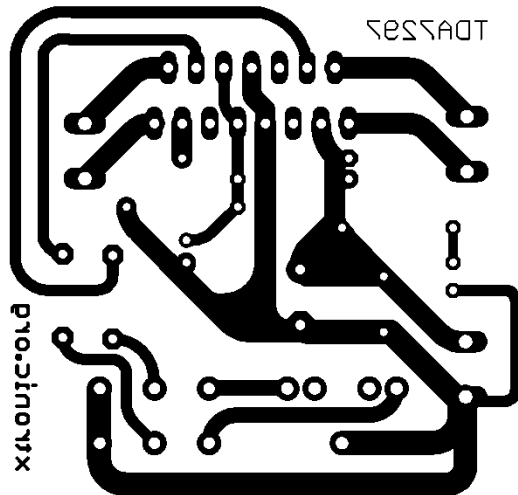
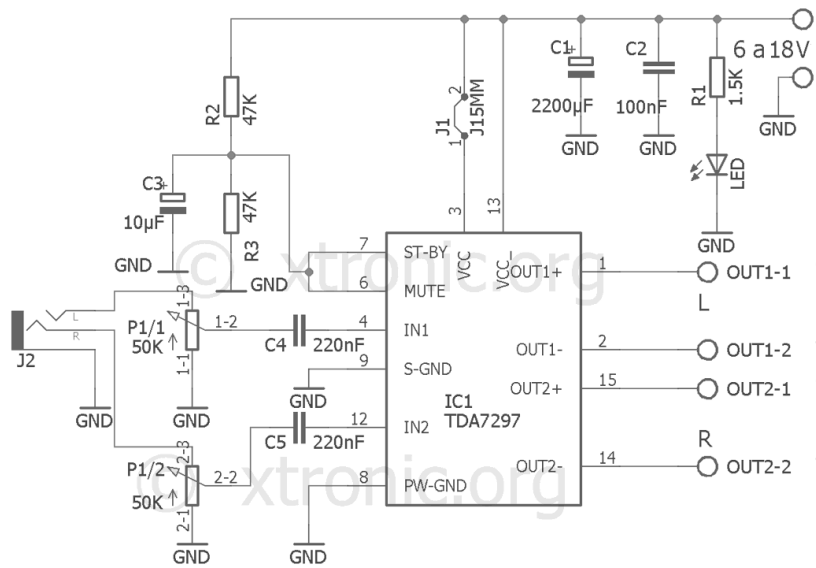
Stereo 10 - 30 Watt Amplifikatör



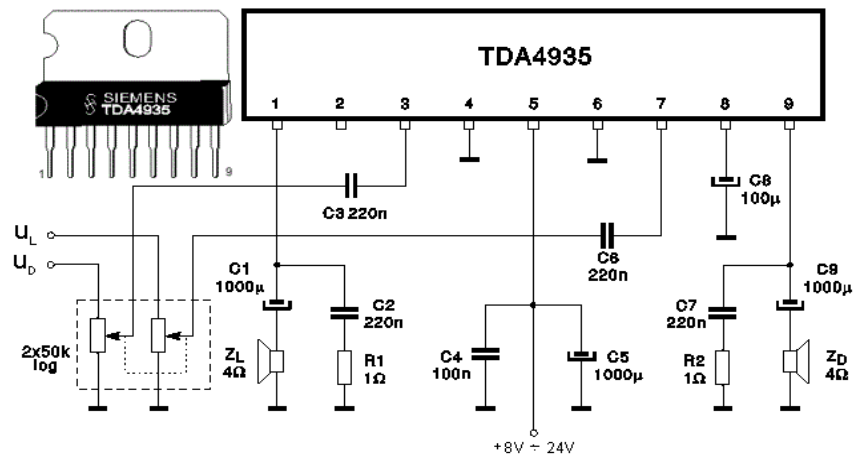
Stereo 11 Watt Amplifikatör



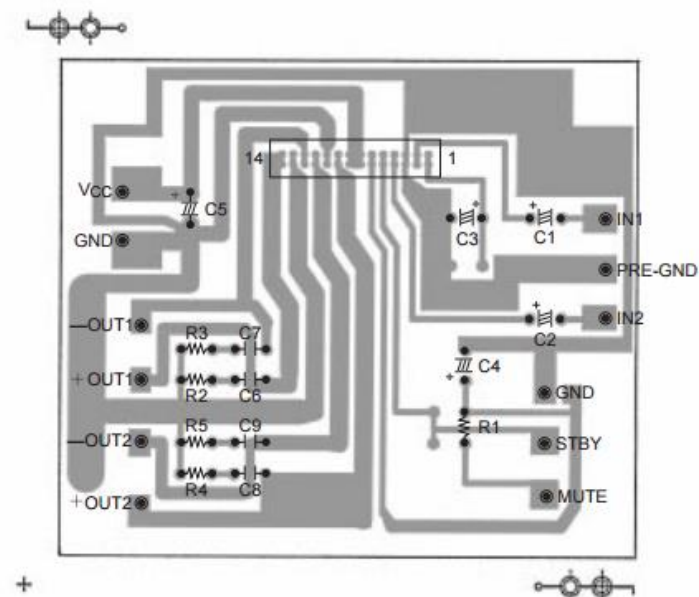
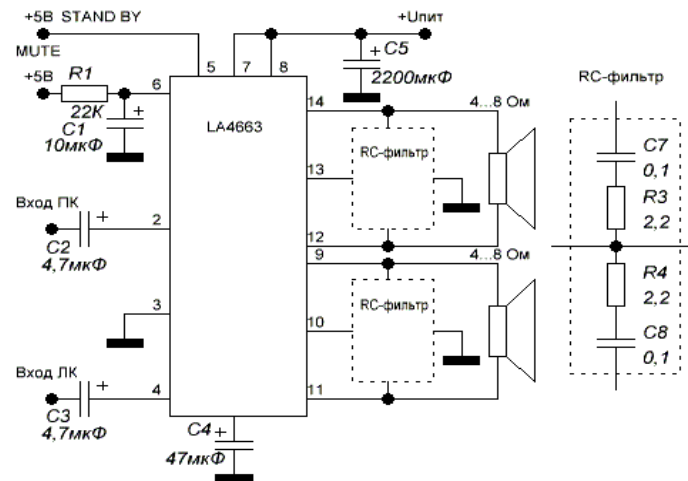
Stereo 15 Watt Amplifikatör

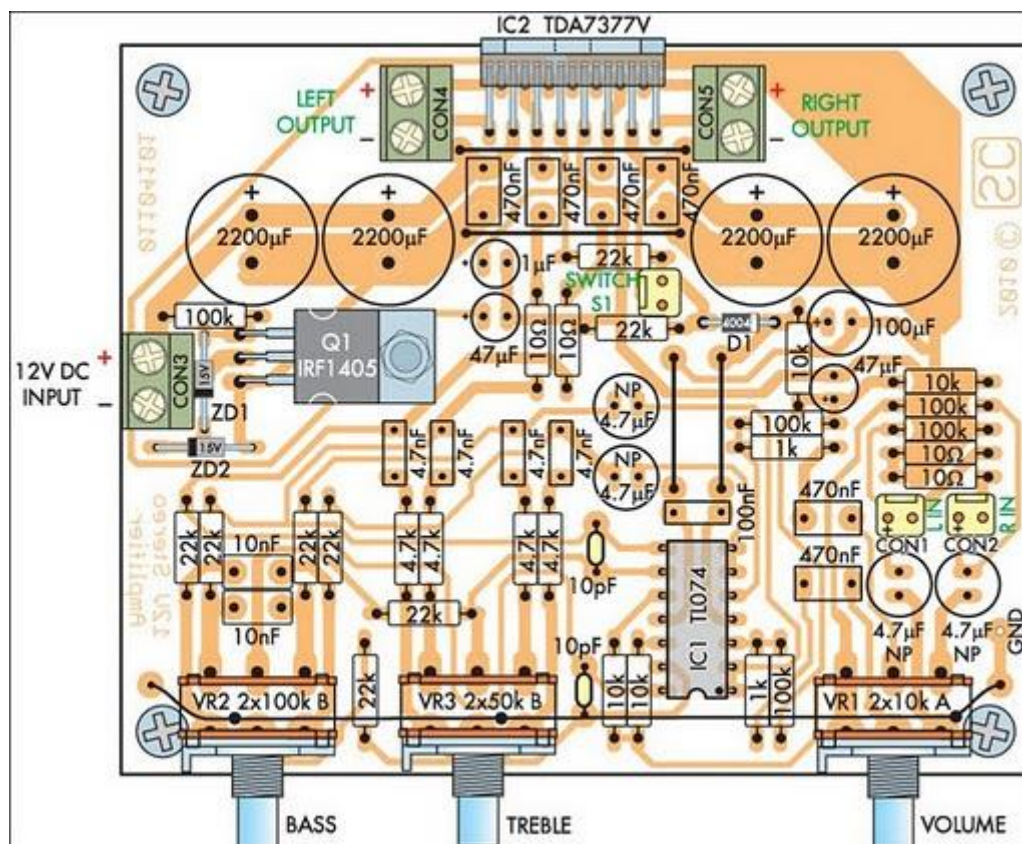


Stereo 15 Watt Amplifikatör

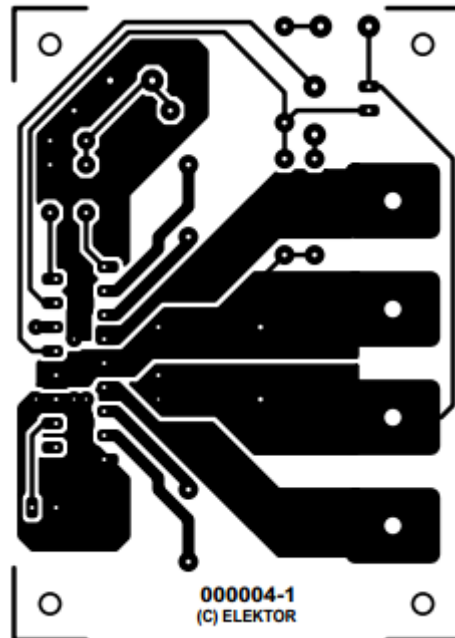
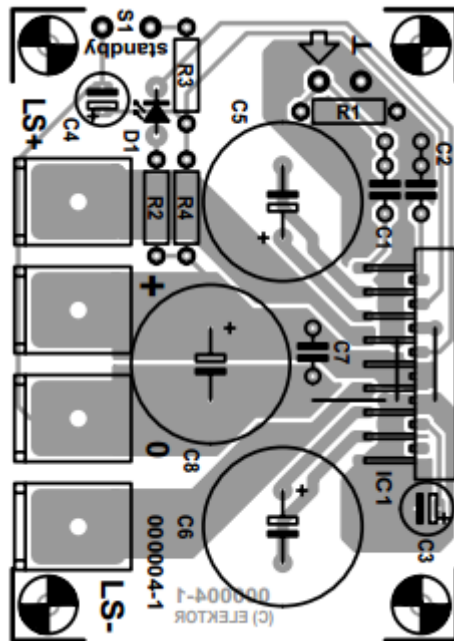
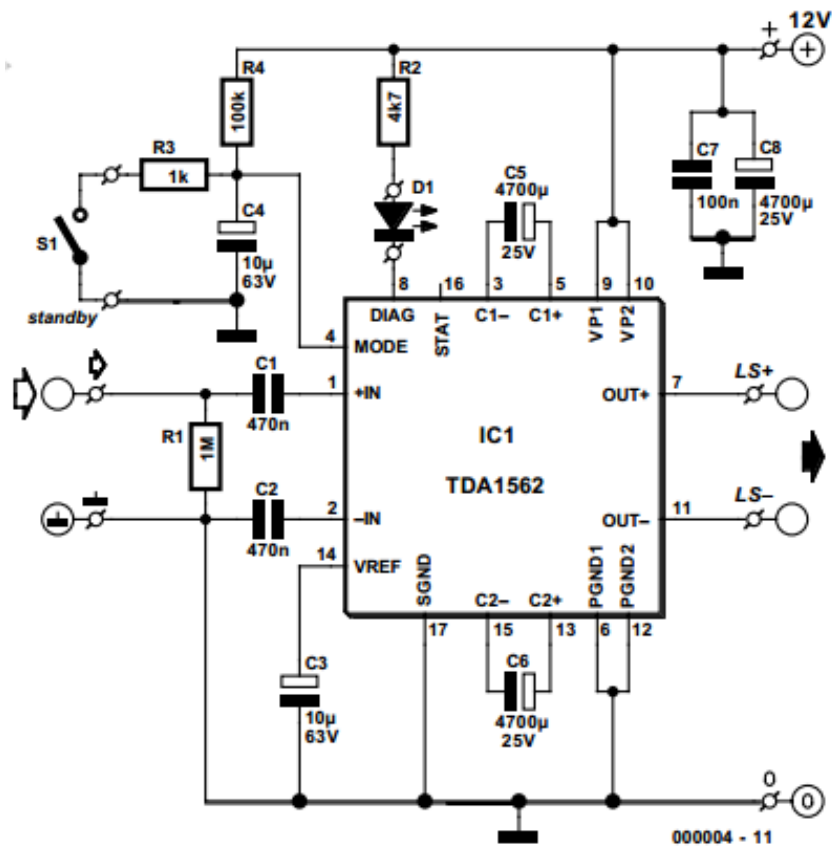


Stereo 20 Watt Amplifikatör

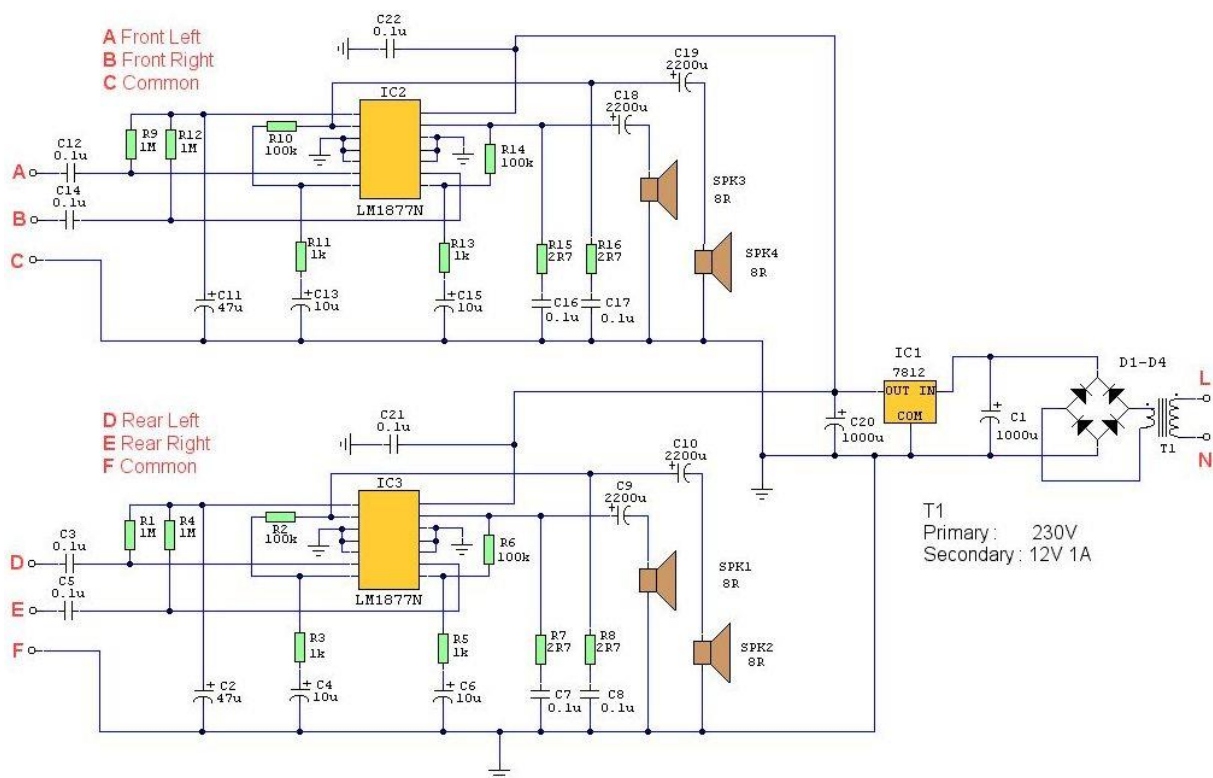




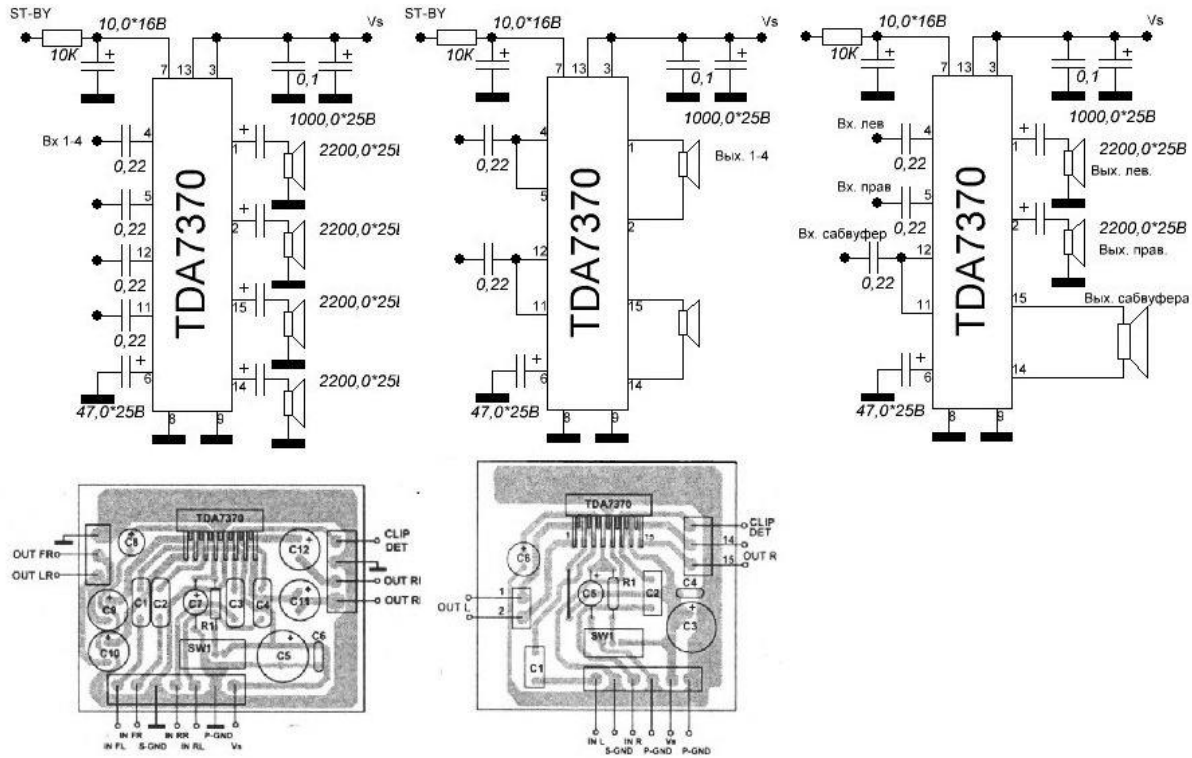
Stereo 50 Watt Amplifikatör



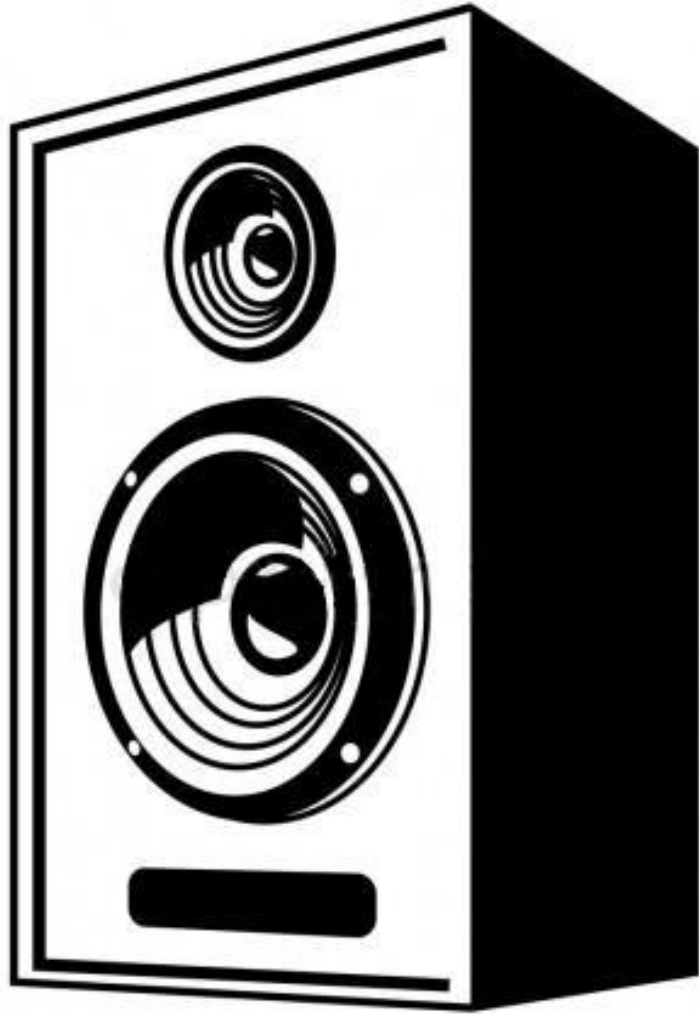
Dörtlü 3 Watt Amplifikatör



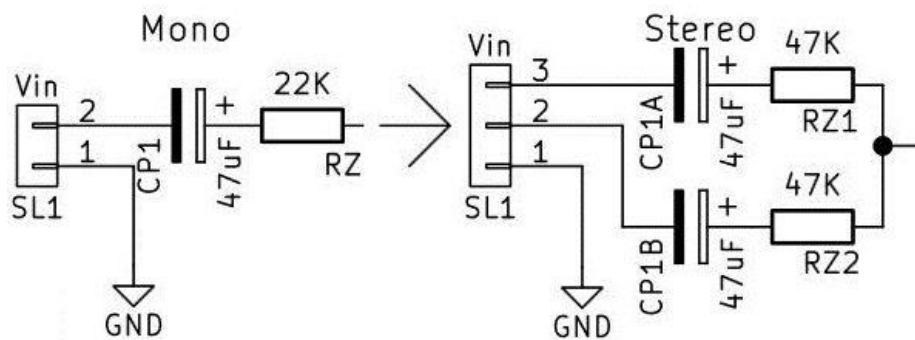
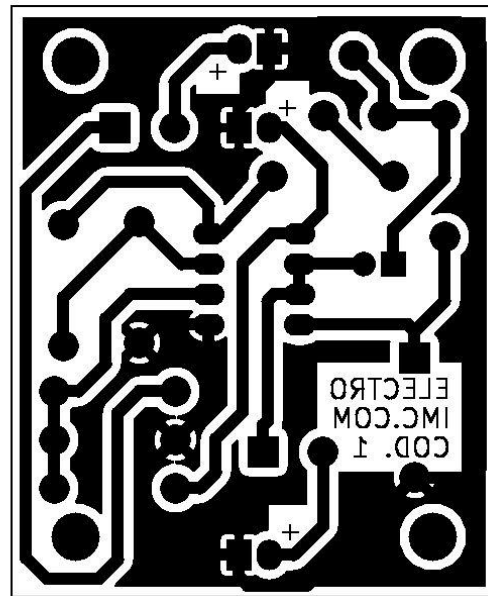
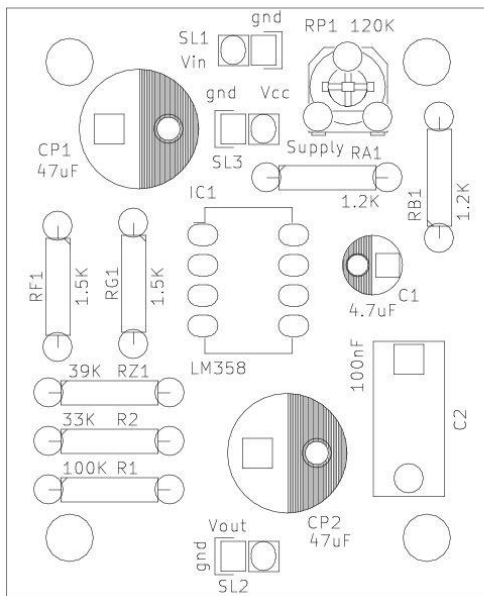
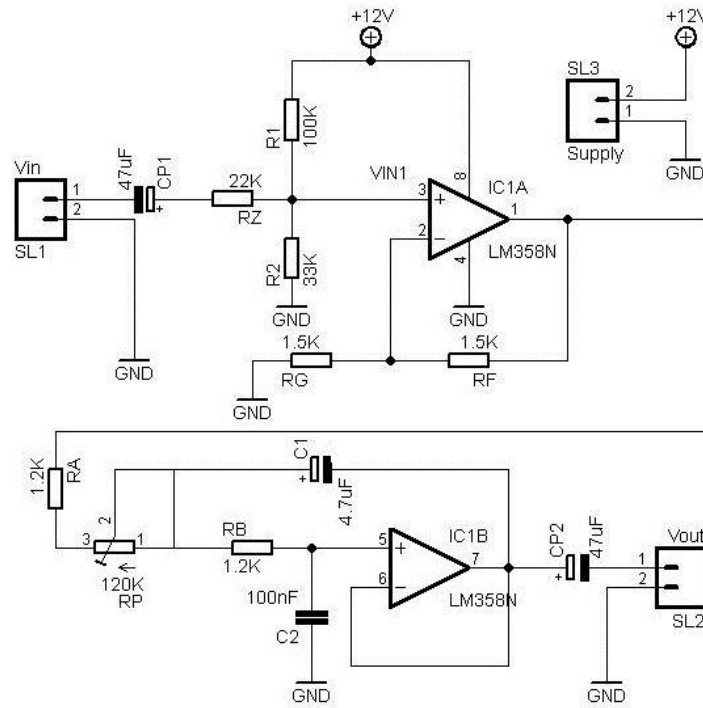
Dörtlü 6 Watt Amplifikatör



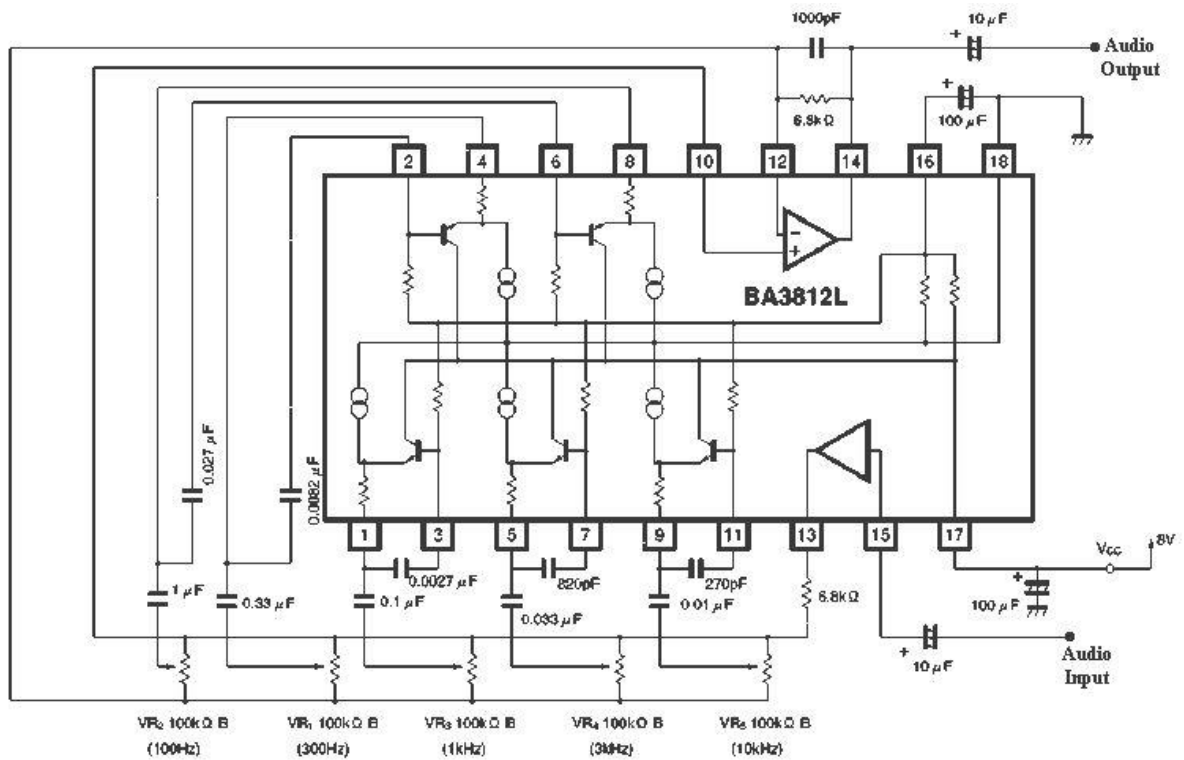
SES DEVRELERİ



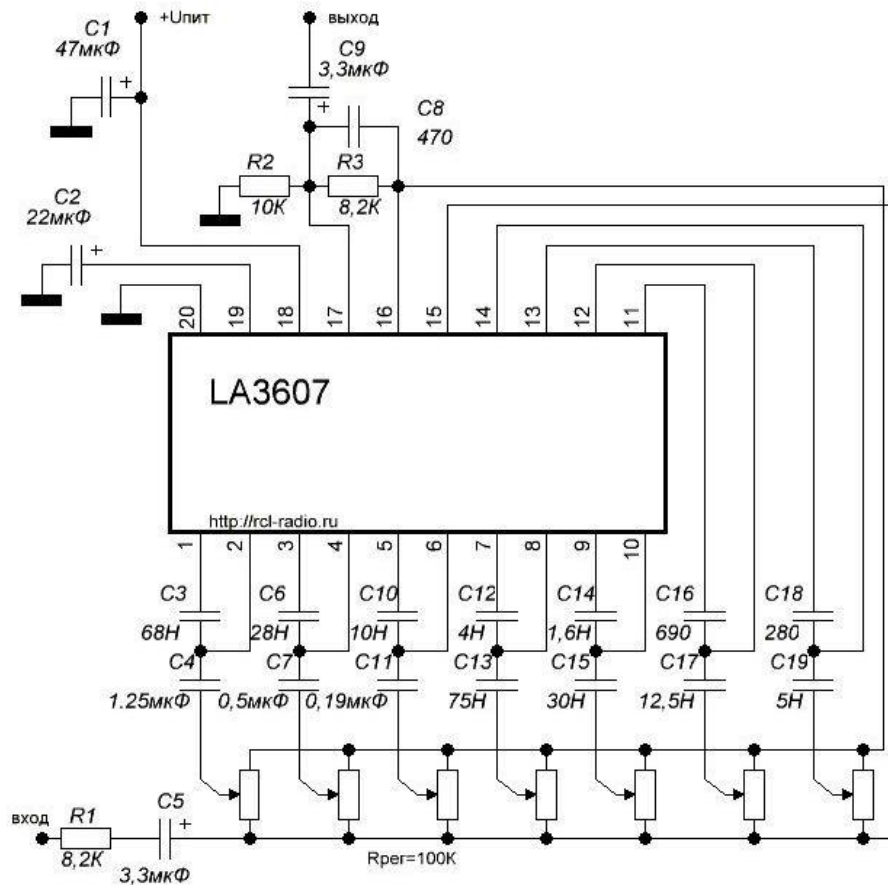
Aktif Hoparlör Filtresi



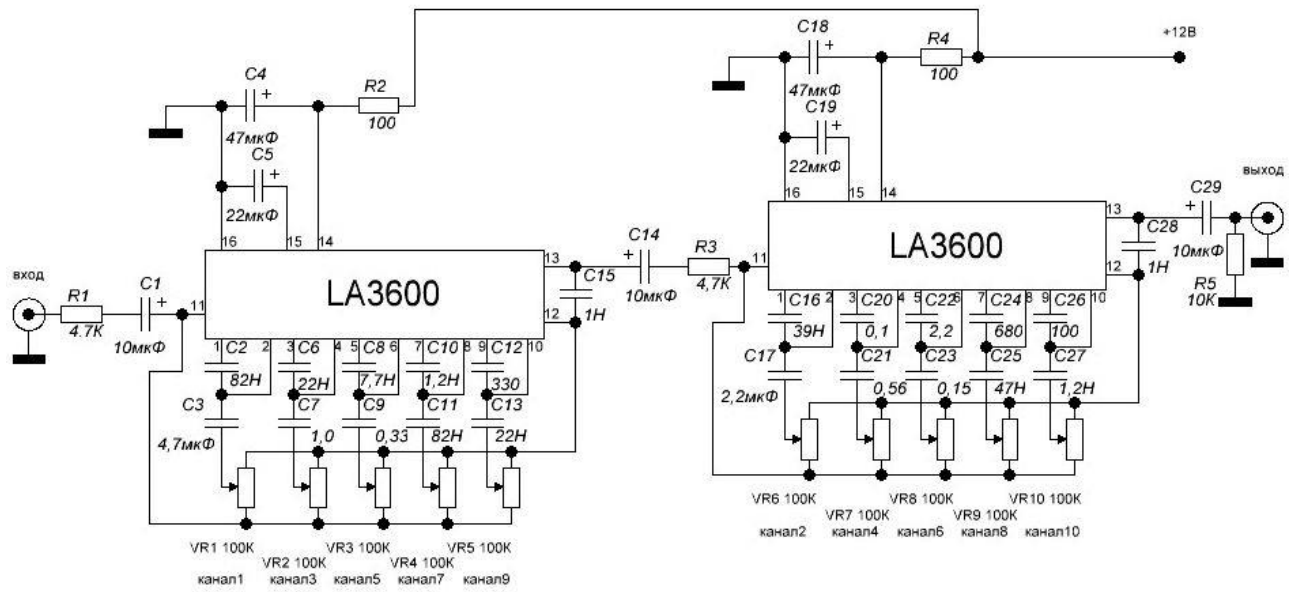
Mono 5 Band Equaliser



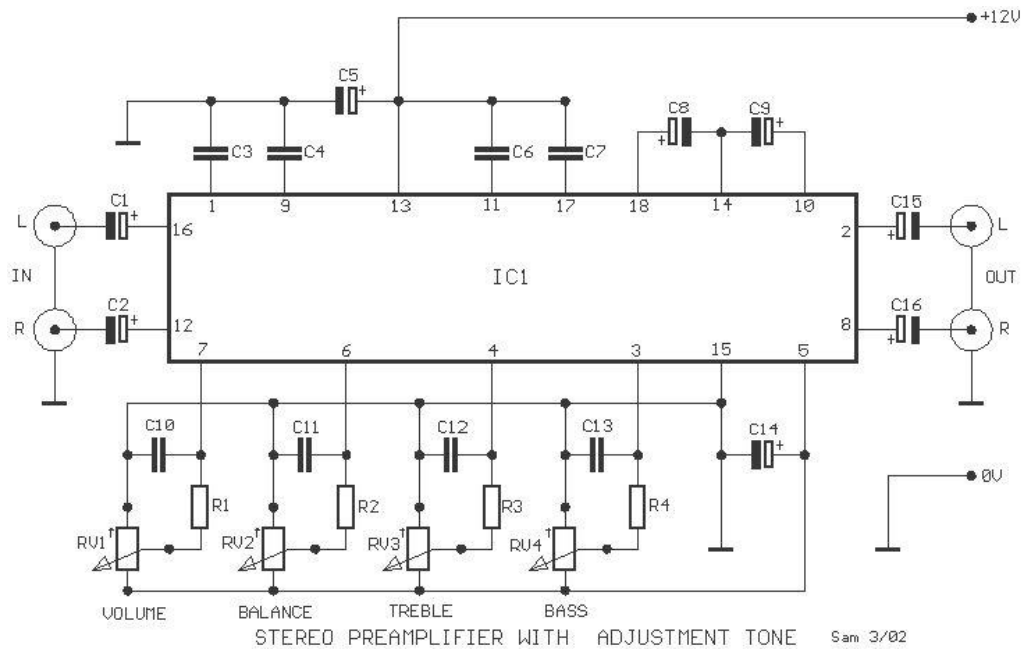
Mono 7 Band Equaliser



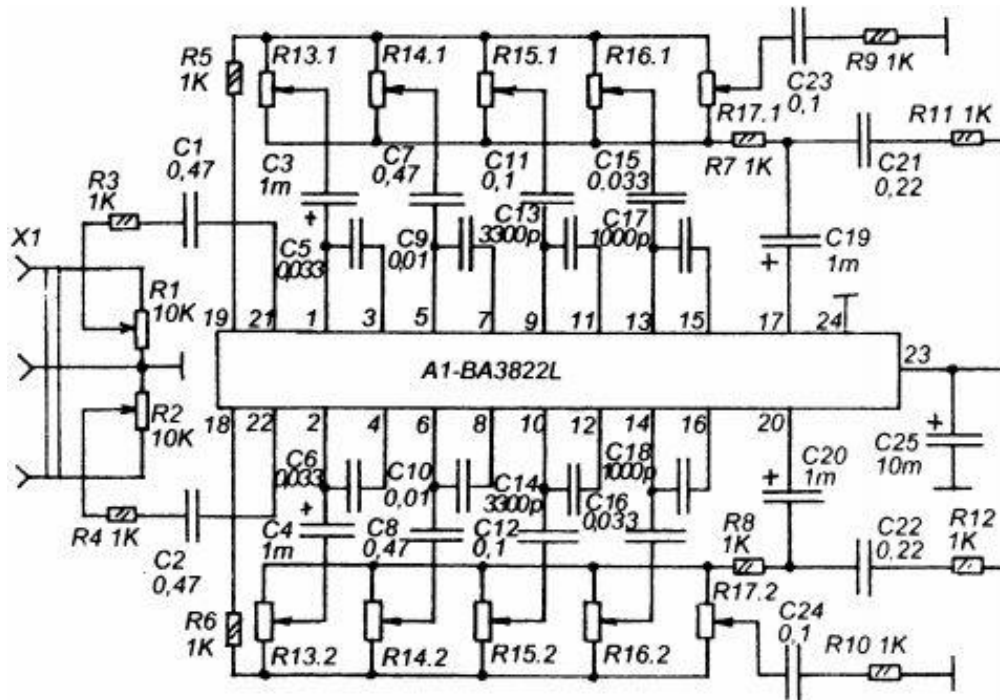
Mono 10 Band Equaliser



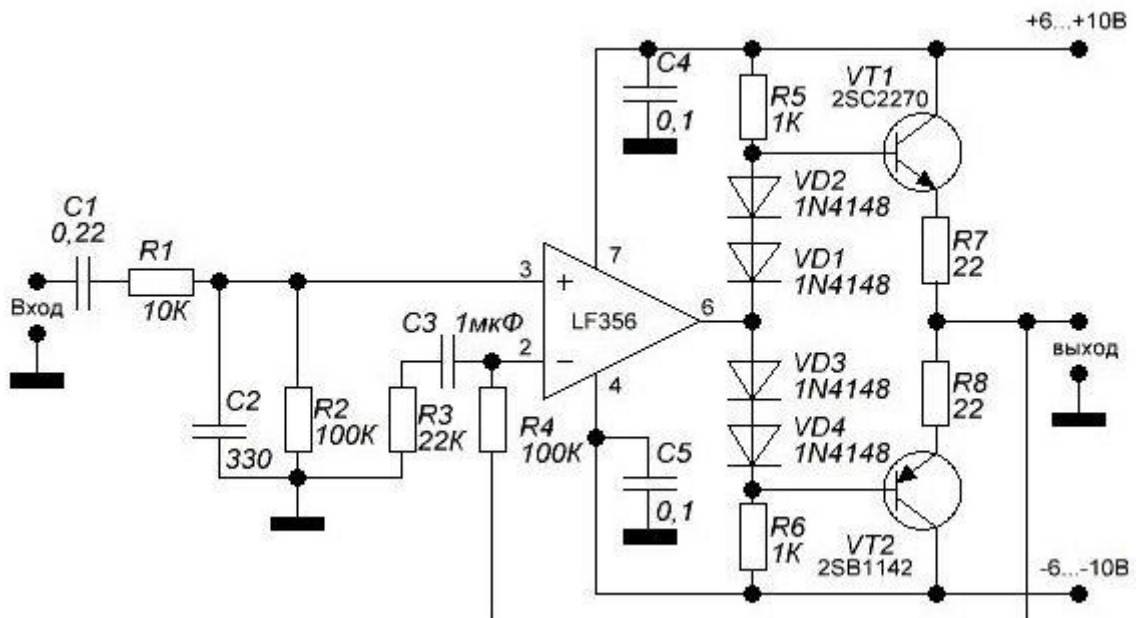
Stereo 4 Band Equaliser



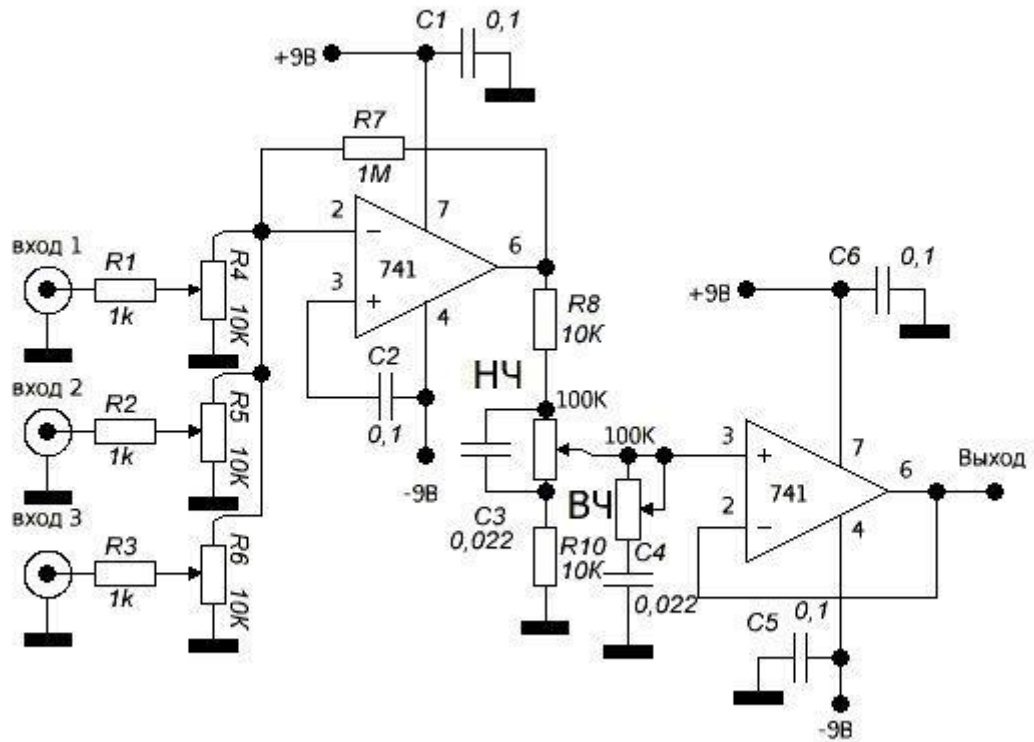
Stereo 5 Band Equaliser



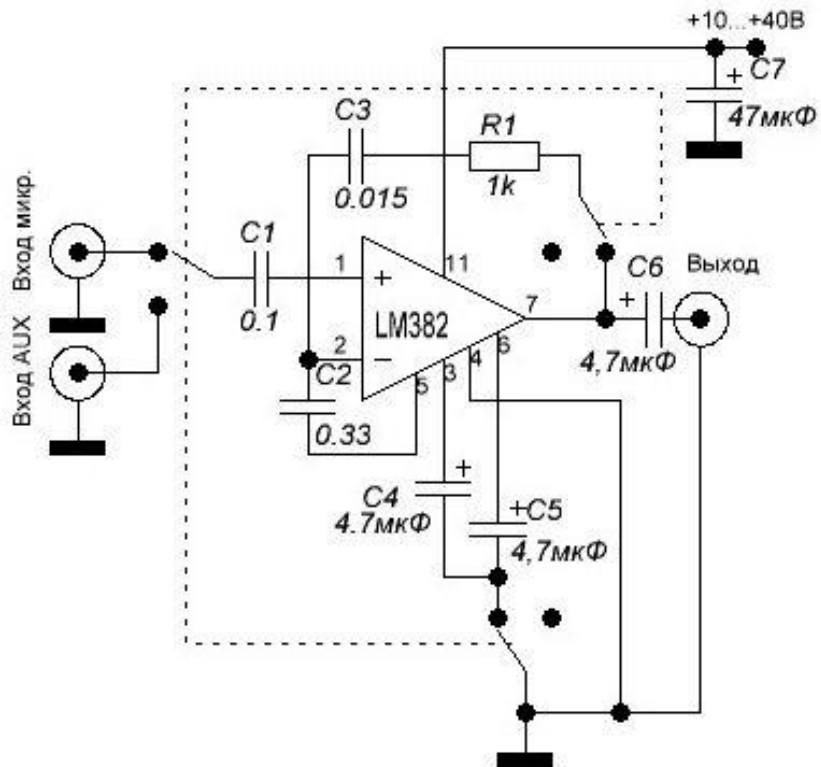
HI-FI Kulaklık Amplifikatör



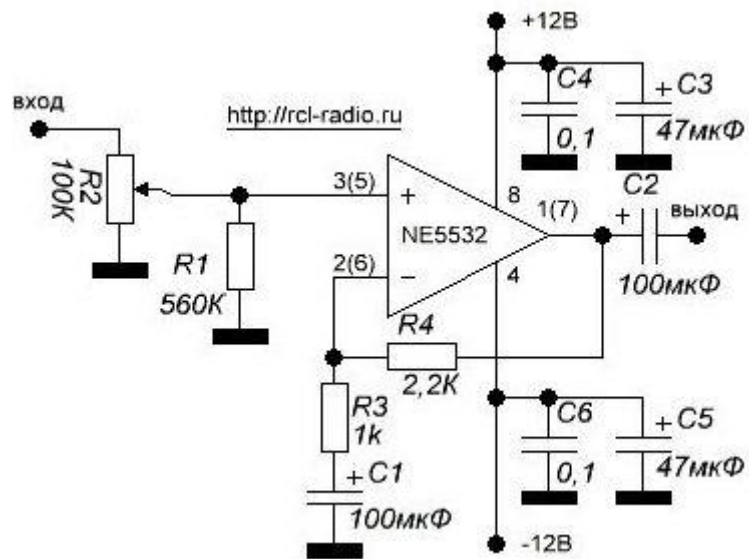
3 Girişli Mikser



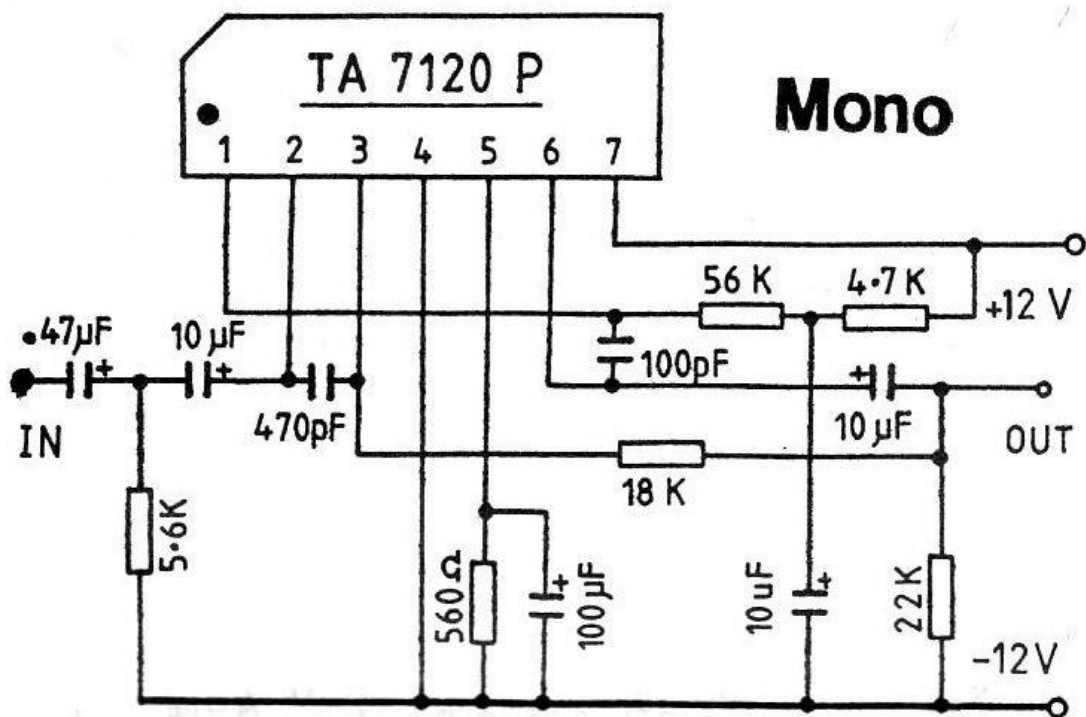
Mono Preamplifikatör



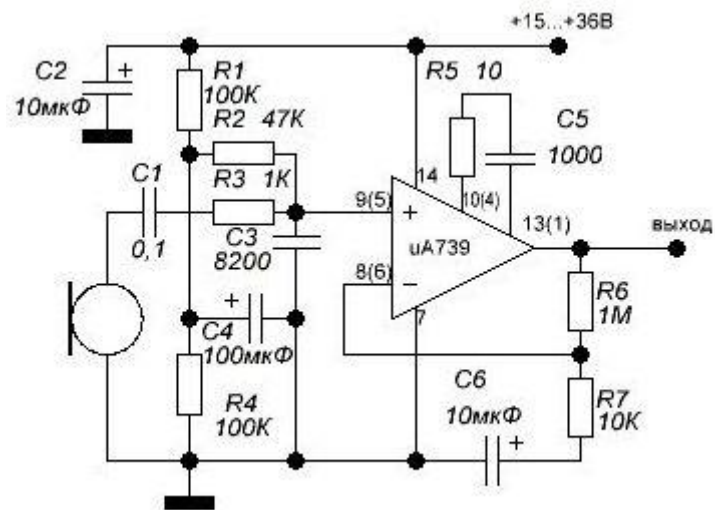
Mono Preamplifikatör



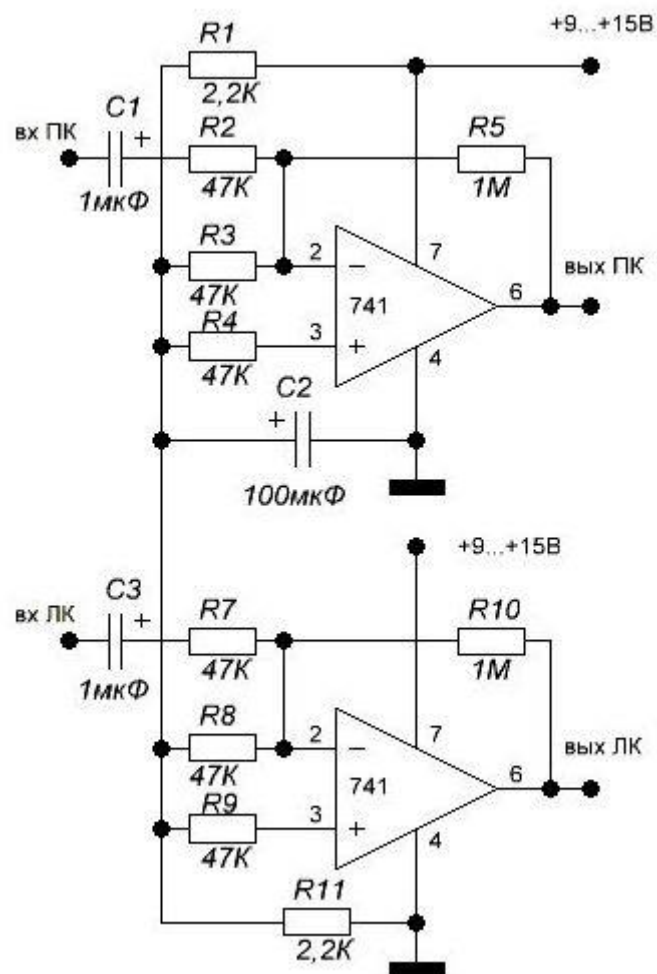
Mono Preamplifikatör



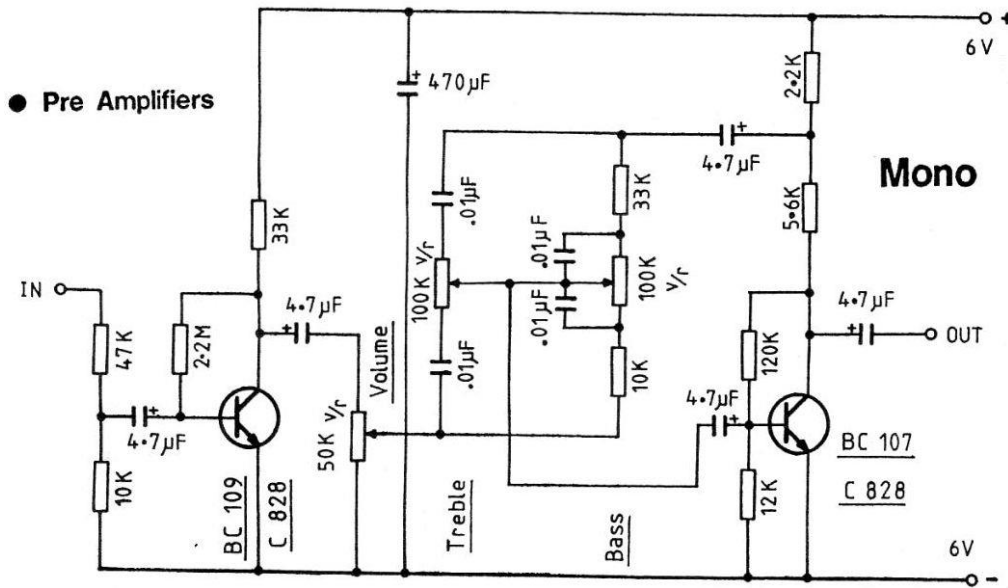
Mikrofon Preamplifikatörü



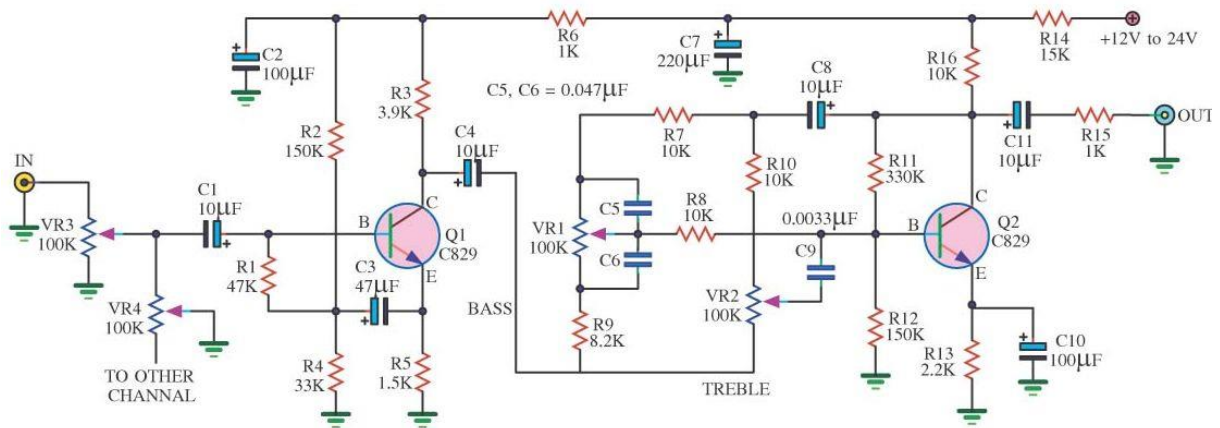
Stereo Preamplifikatör



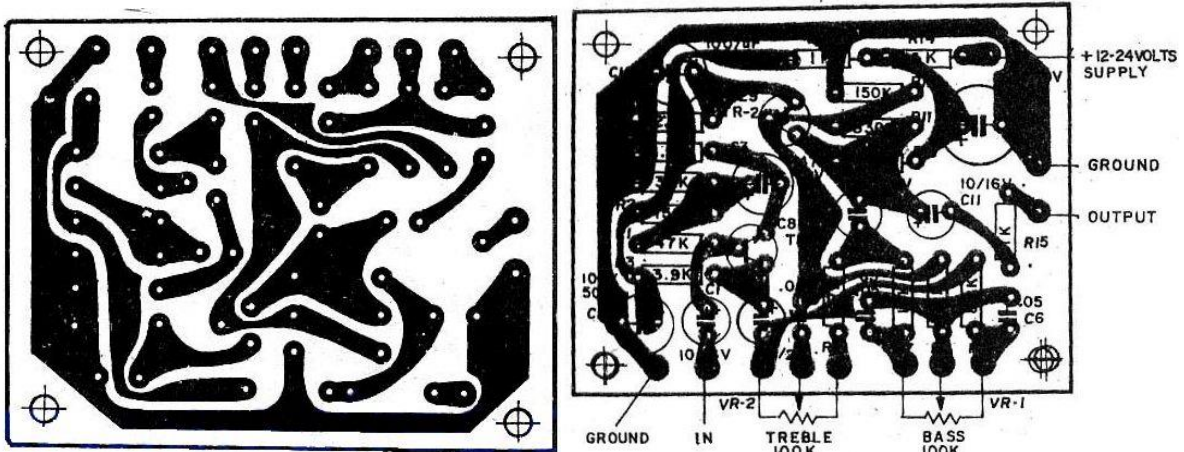
Preamplifikatör ve Ton Kontrol Devresi



Ton Kontrol Devresi



Ton Kontrol Devresi



Ton Kontrol Devresi

